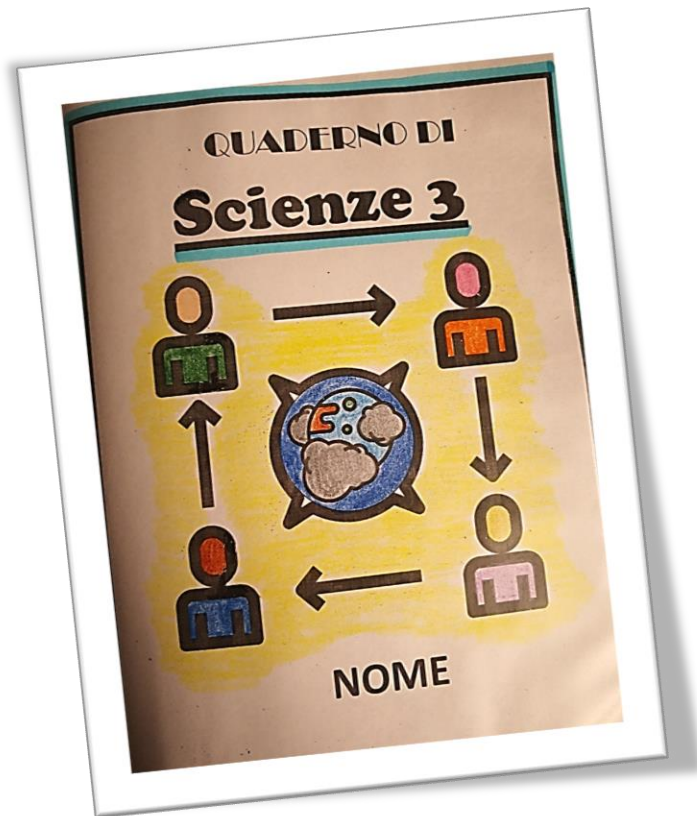


KIT: SCIENZE 3



Progetto realizzato dalla *Maestra Lairetta*
Canale youtube Lapazza Pecora
Pagina Facebook «Didattica Creativa»
Gruppo Facebook «Didattica a distanza help»
Instagram Didattica Creativa

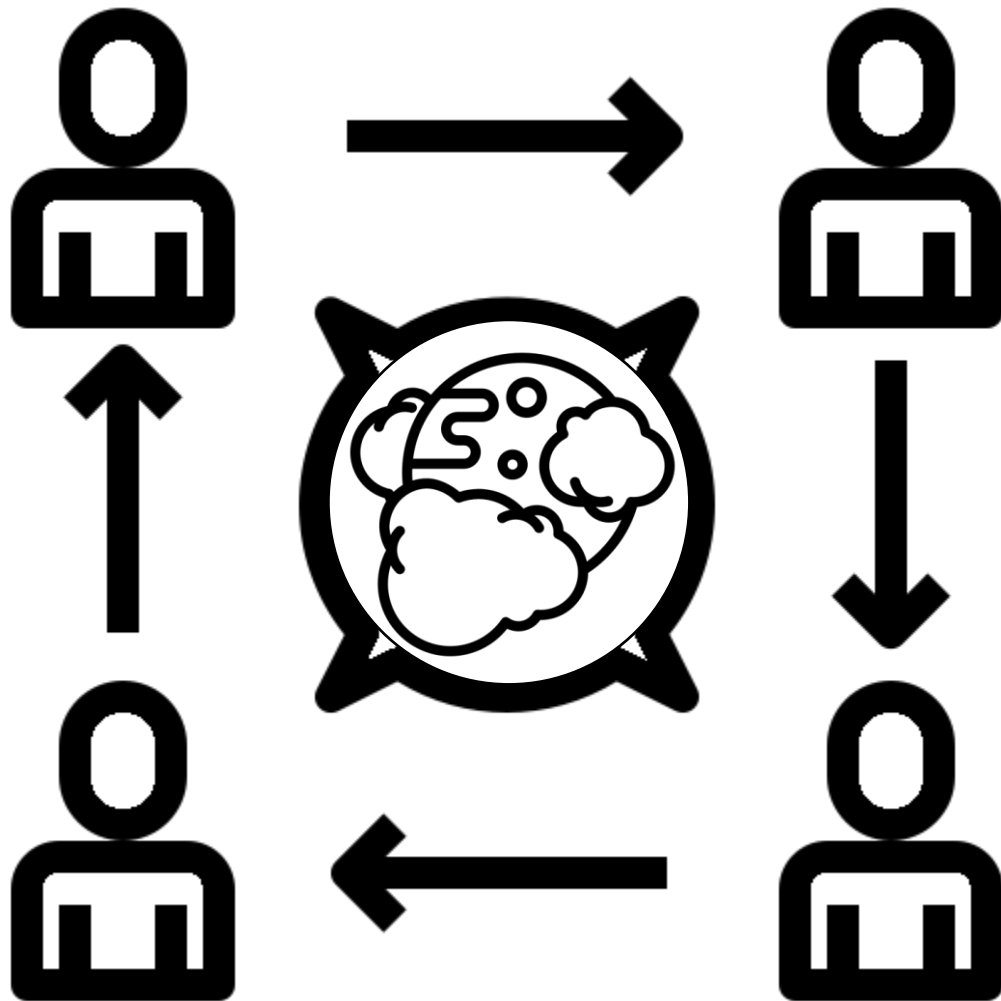


Didattica Creativa

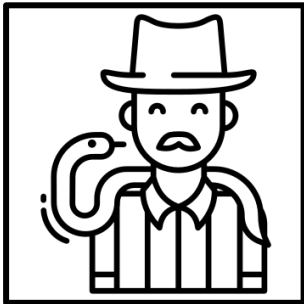
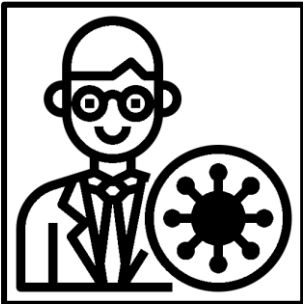
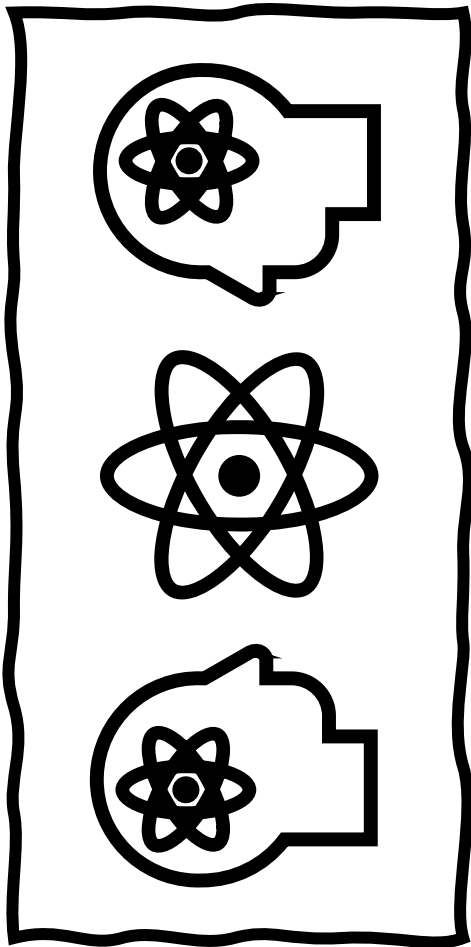
Fonti e immagini tratte da...

Risorse personali
Power point
<https://icon-icons.com/it/>
Giphy
Google

QUADERNO DI
Scienze 3



NOME



BIOLOGO



GEOLOGO



CHIMICO

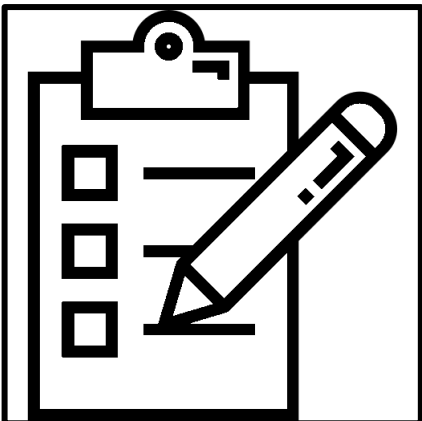
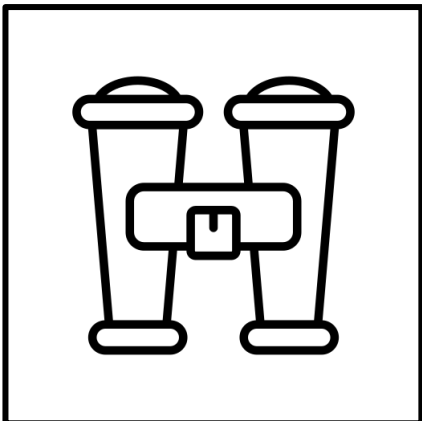
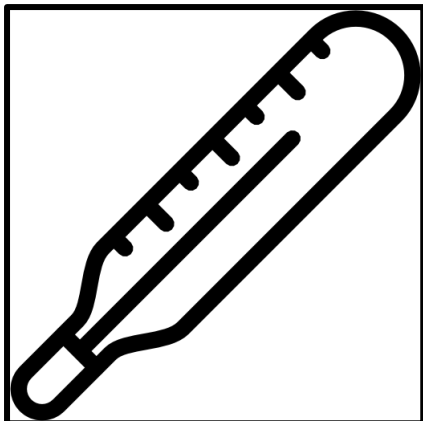
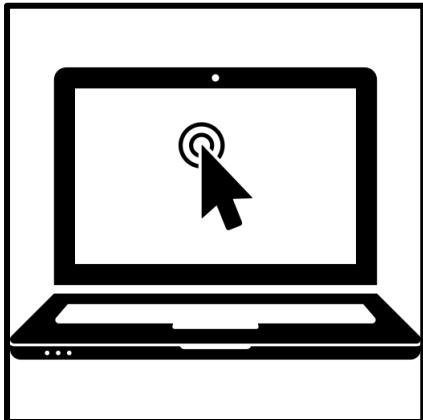
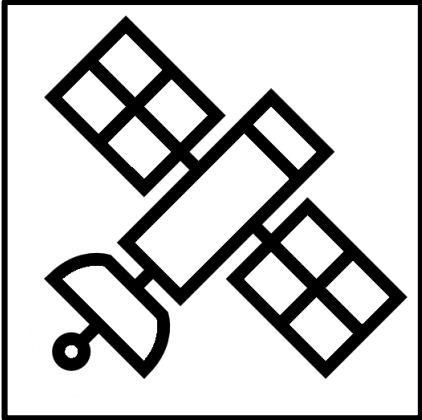
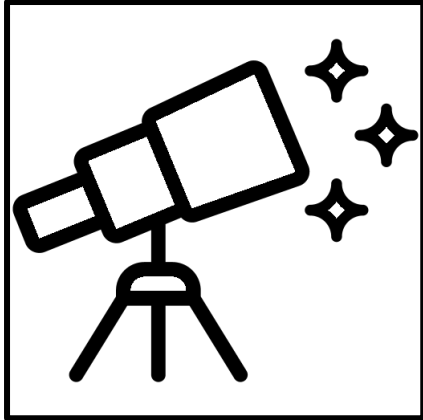


ASTRONOMO



ZOOLOGO





INORGANICA

ORGANICA

INORGANICA

ORGANICA

ORGANICA

INORGANICA

ORGANICA

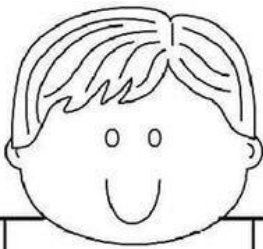
INORGANICA

ORGANICA

INORGANICA

ORGANICA

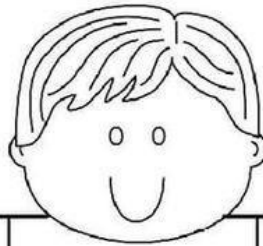
INORGANICA



QUANDO LE MOLECOLE SONO MOLTO UNITE E NON RIESCONO QUASI A MUOVERSI, LA MATERIA E' ALLO STATO **SOLIDO**.

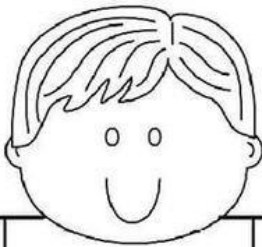
LA MATERIA ALLO STATO **SOLIDO** HA UNA FORMA PRECISA, CHE CAMBIA SOLO A CAUSA DI UNA FORZA ESTERNA.

om



QUANDO LE MOLECOLE SONO UNITE MA POSSONO MUOVERSI UN PO', LA MATERIA E' ALLO STATO **LIQUIDO**.

LA MATERIA ALLO STATO **LIQUIDO** PRENDE LA FORMA DEL RECIPIENTE O SI ESPANDE.



QUANDO LE MOLECOLE NON SONO UNITE TRA LORO E POSSONO MUOVERSI LIBERAMENTE, LA MATERIA E' ALLO STATO **GASSOSO**.

LA MATERIA ALLO STATO **GASSOSO** NON HA FORMA E SI ESPANDE LIBERAMENTE.

SI FA DELLE DOMANDE
E PROVA A FARE DELLE
IPOTESI

FA UN ESPERIMENTO
PER VEDERE SE LA
SUA IPOTESI E'
GIUSTA

OSSERVA UN
FENOMENO

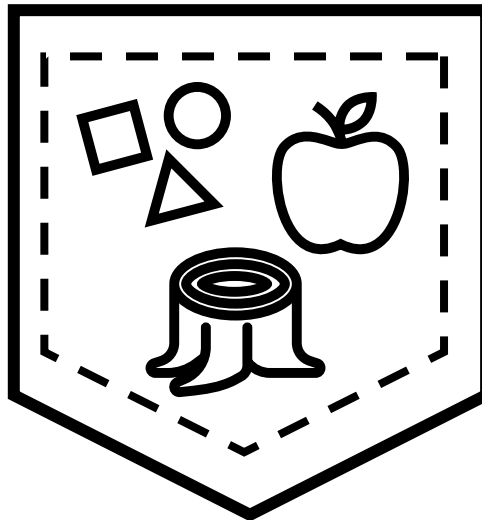
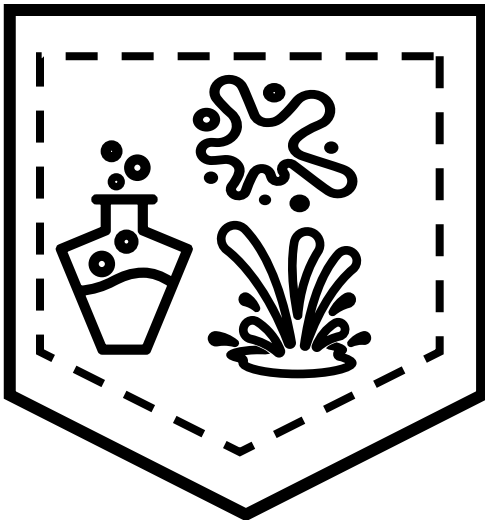
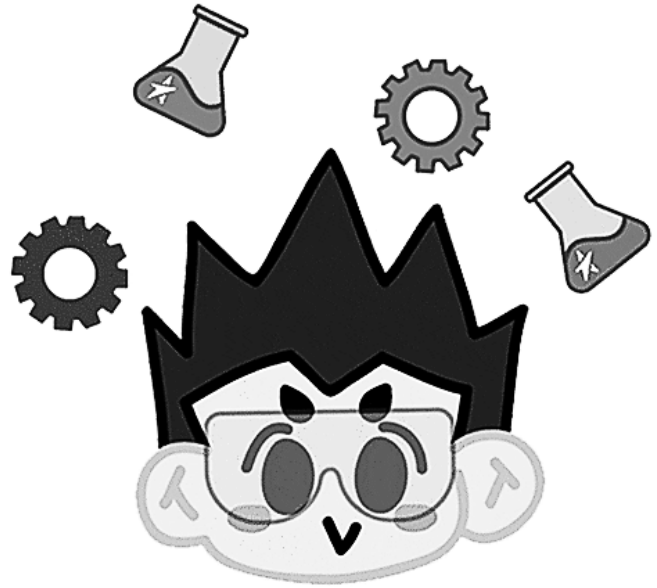
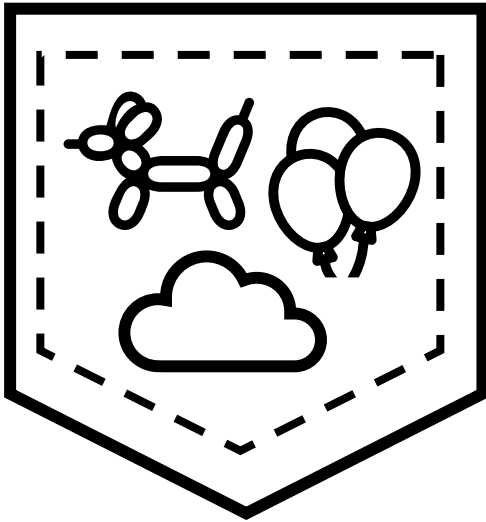
L'ESPERIMENTO
HA FUNZIONATO?

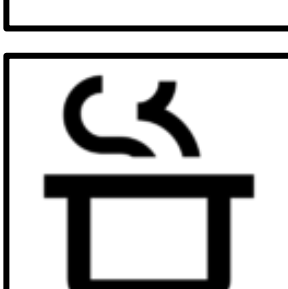
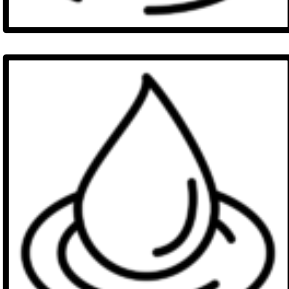
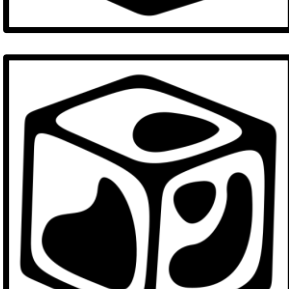
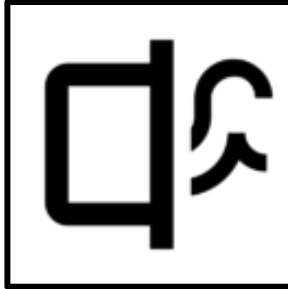
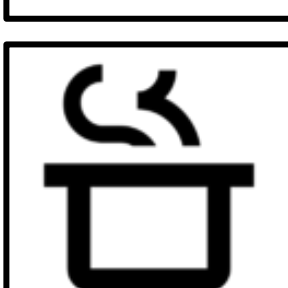
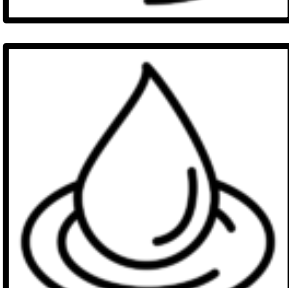
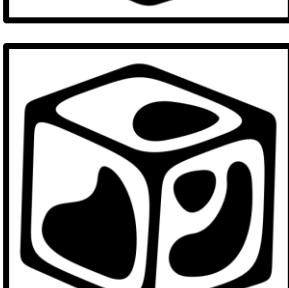
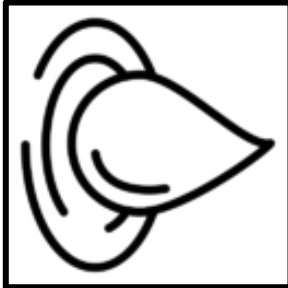
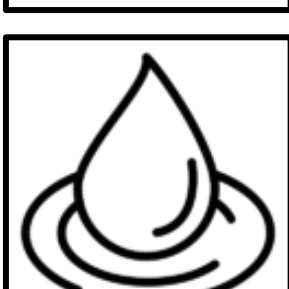
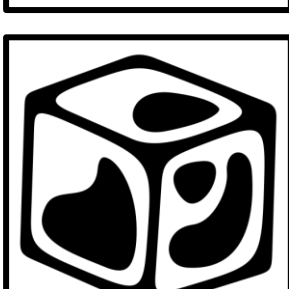
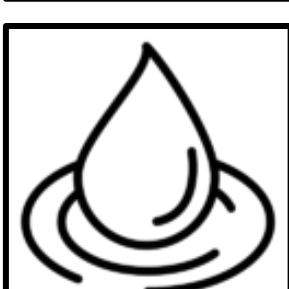
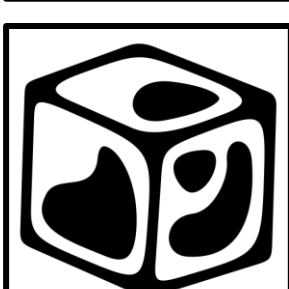
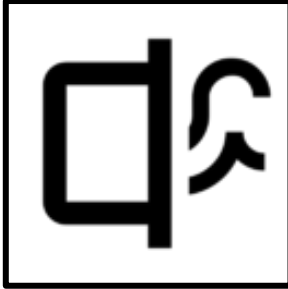
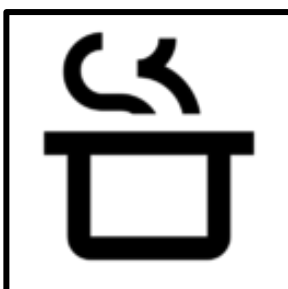
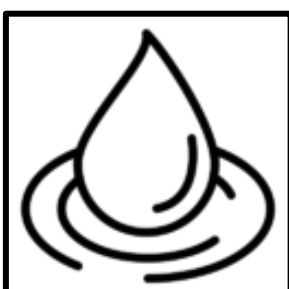
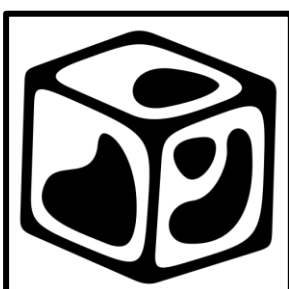
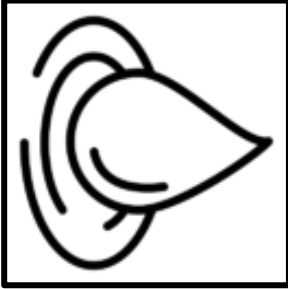
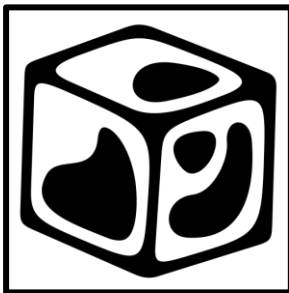
SI', LO SCIENZIATO
FORMULA UNA
REGOLA SEMPRE
VALIDA

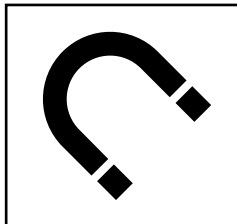
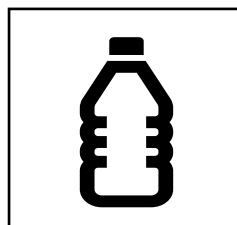
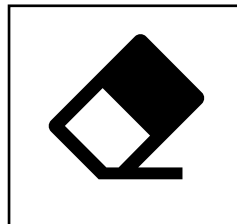
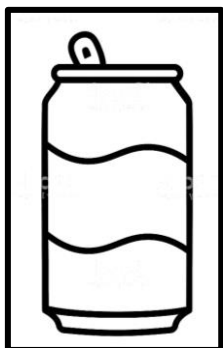
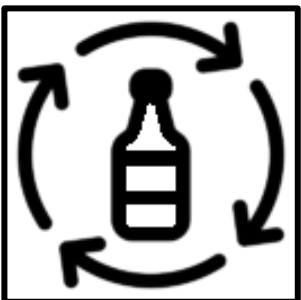
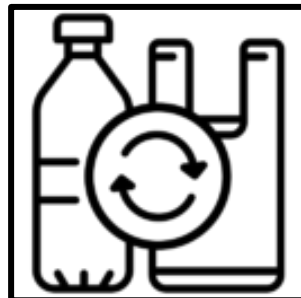
NO, LO SCIENZIATO
DEVE FARE UN'ALTRA
IPOTESI E UN ALTRO
ESPERIMENTO

FINE

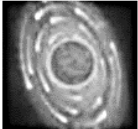

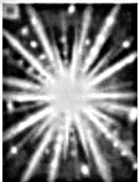
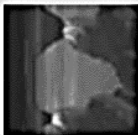

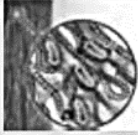
INIZIO

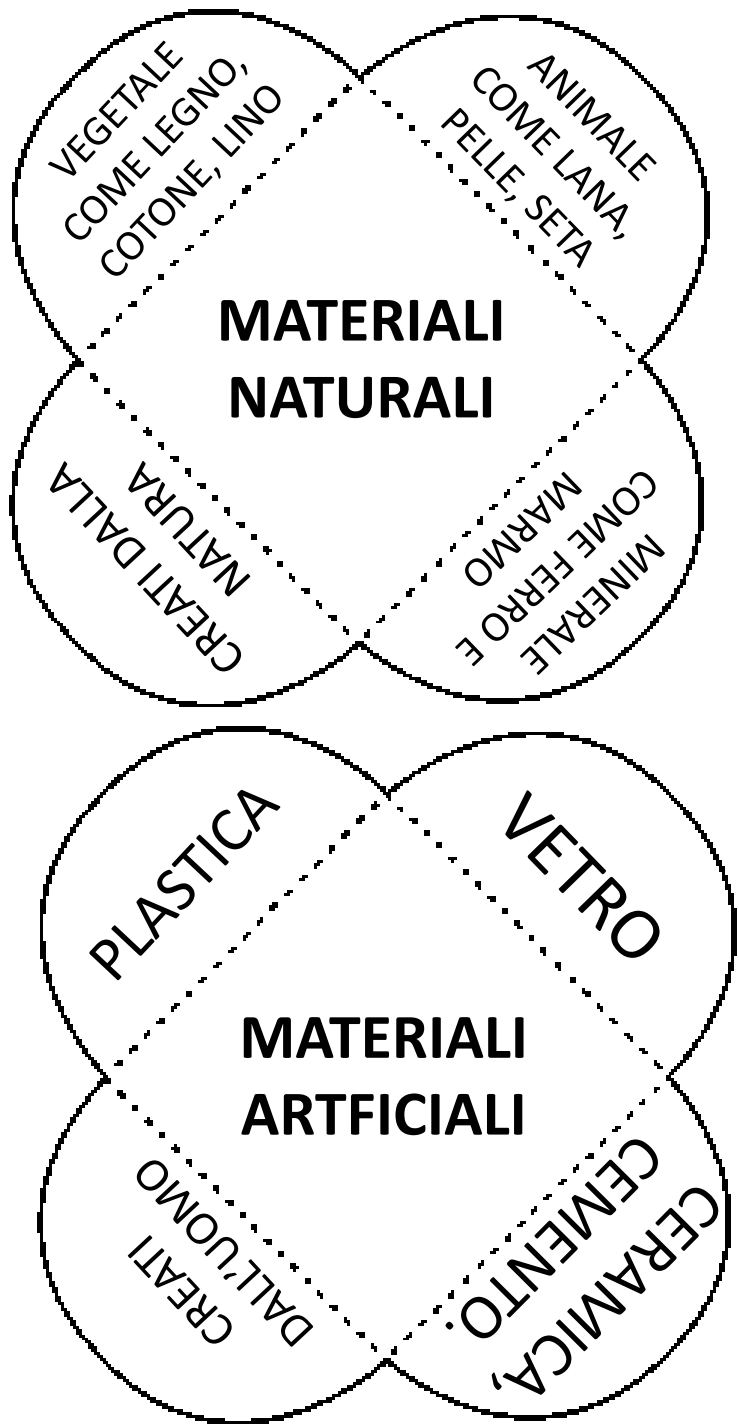


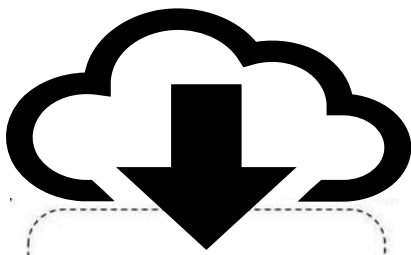




LEGNO	MOLTO RESISTENTE, GALLEGGIA E INFIAMMABILE.
TESSUTI	DI ORIGINE VEGETALE, ANIMALE O ARTIFICIALE. MORBIDI, GREZZI, LISCI, IMPERMEABILI E NON, PESANTI, LEGGERI, ECC.
GOMMA	ELASTICA, IMPERMEABILE, RESISTENTE, MODELLABILE.
VETRO	MATERIALE DURO, MA FRAGILE; TRASPARENTE, MODELLABILE CON IL CALORE.
PLASTICA	IMPERMEABILE, GALLEGGIA, MODELLABILE CON IL CALORE.
METALLI	RIGIDI, RESISTENTI, MODELLABILI CON IL CALORE, MAGNETICI.

 <p>Si forma il Sole.</p> <p>.....</p>	 <p>Si formano i pianeti.</p> <p>.....</p>
 <p>Avviene il Big Bang.</p> <p>.....</p>	 <p>La Terra si raffredda.</p> <p>.....</p>
 <p>Si formano gli oceani.</p> <p>.....</p>	 <p>Compaiono i primi esseri viventi.</p> <p>.....</p>



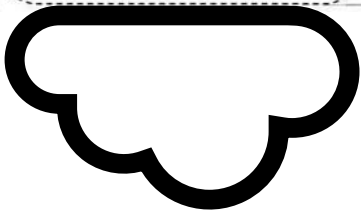


INDISPENSABILE
PER GLI ESSERI
VIVENTI

TRASPARENTE,
INCOLORE E
OCCUPA UNO
SPAZIO

E' OVUNQUE:
QUANDO E'
CALDA SALE

CIRCONDA LA
TERRA E SI
CHIAMA
ATMOSFERA



INDISPENSABILE
PER GLI ESSERI
VIVENTI

INODORE E
INCOLORE

PUO' ESSERE ALLO
STATO LIQUIDO,
SOLIDO E GASSOSO

ANCHE GLI ESSERI
VIVENTI SONO FATTI
IN GRAN PARTE DI
ACQUA



IL SUOLO E' LA
PARTE PIU' ESTERNA
DELLA CROSTA
TERRESTRE

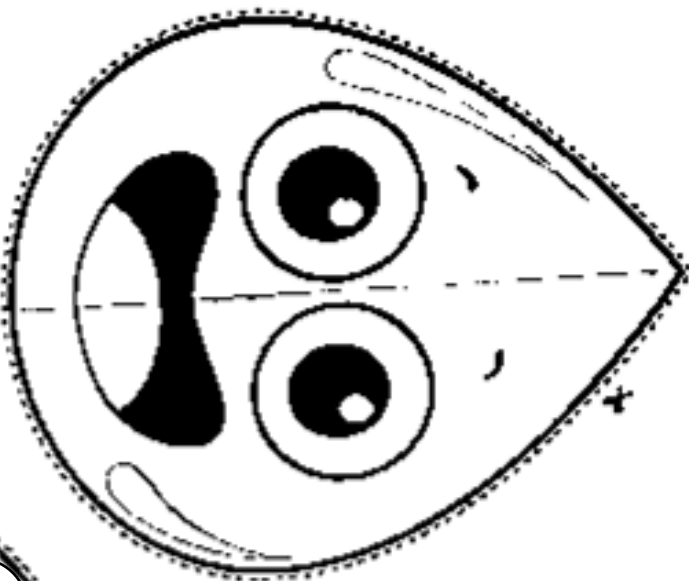
LETTIERA
FOGLIE, RAMI, SEMI,
CORTECCIA, FRUTTI

HUMUS
VEGETALI E ANIMALI
DECOMPOSTI
MUFFE E BATTERI

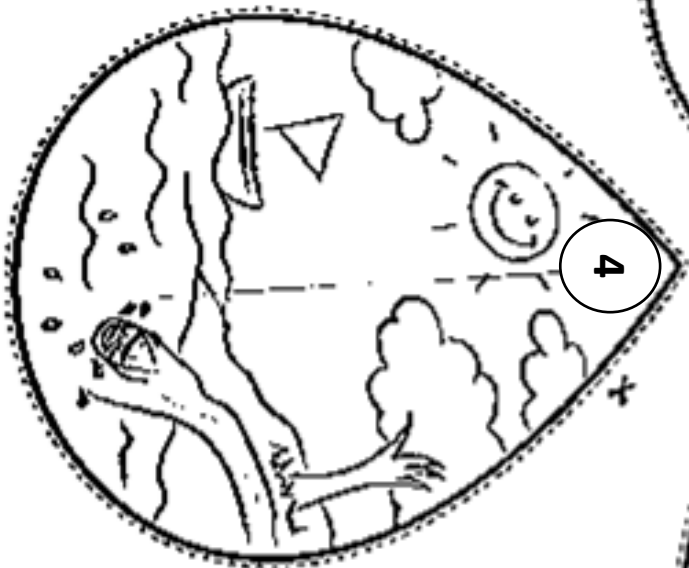
STRATO MINERALE
SALI MINERALI
SOTTOSUOLO
SABBIA, ARGILLA, GHIAIA,
ROCCE SGRETOLATE

ROCCIA MADRE
ROCCIA MOLTO DURA

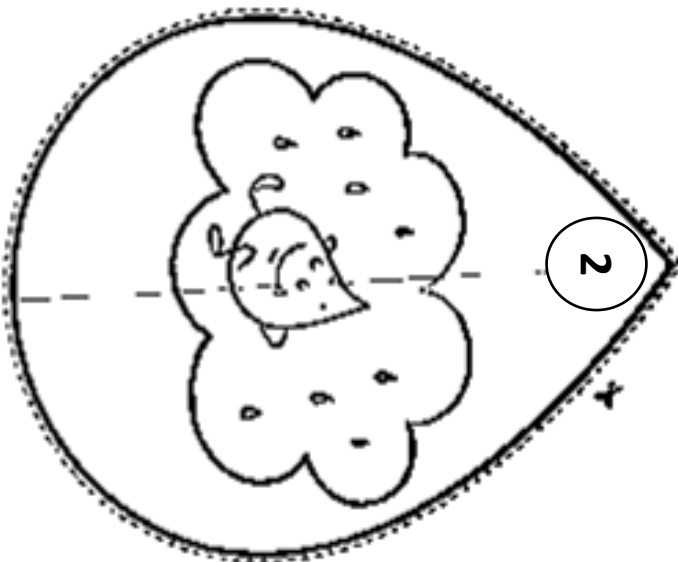
สื่อวิทยุสนุกKids



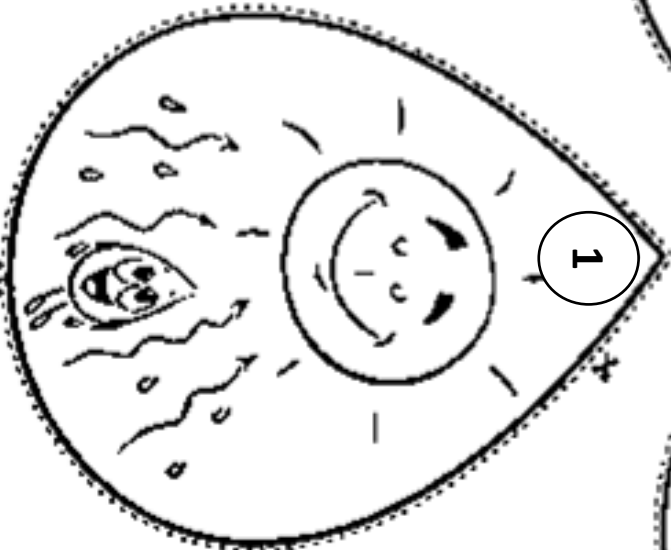
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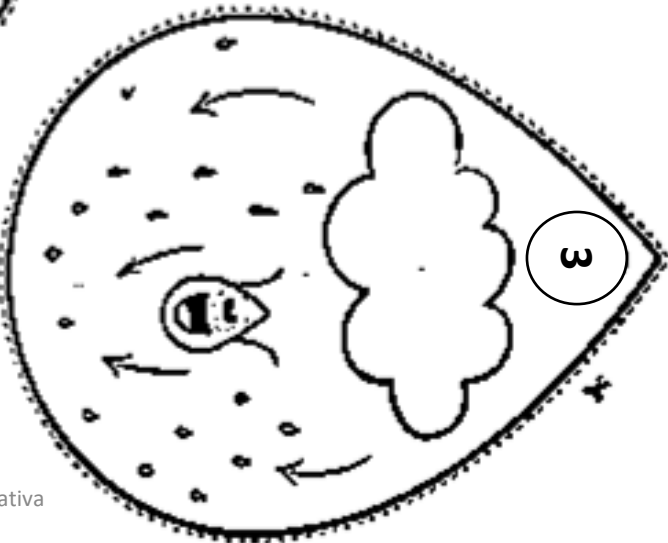
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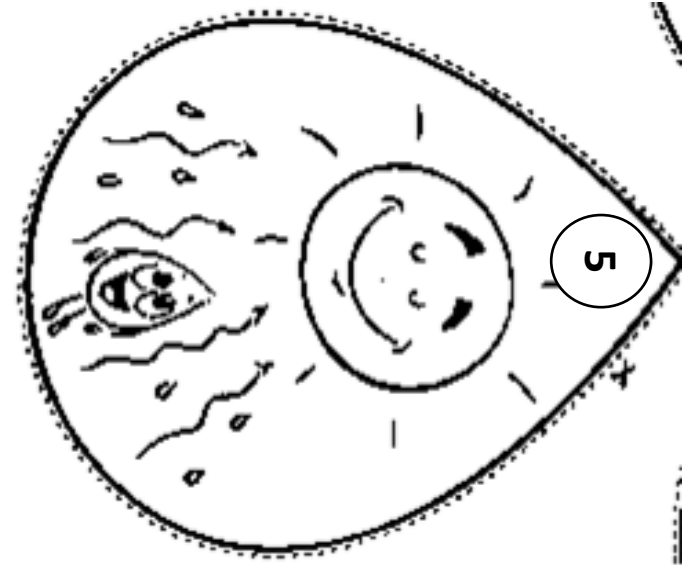
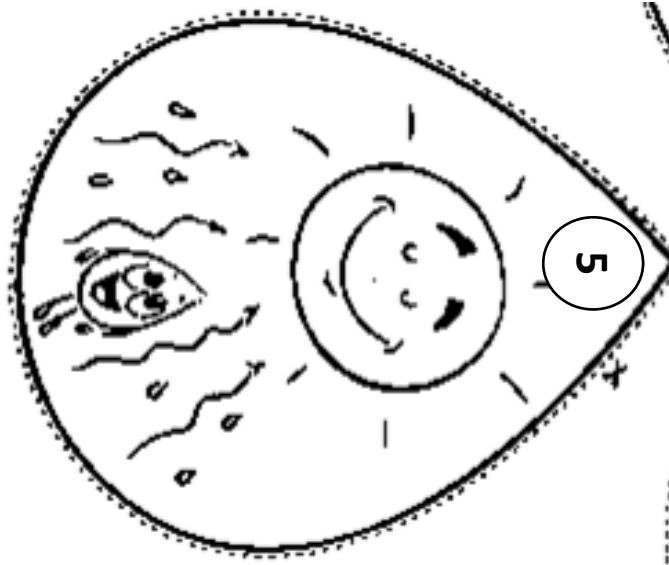
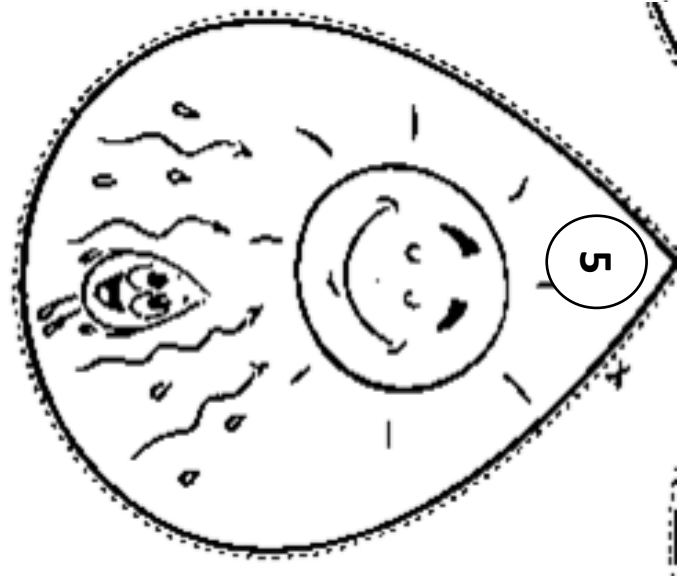
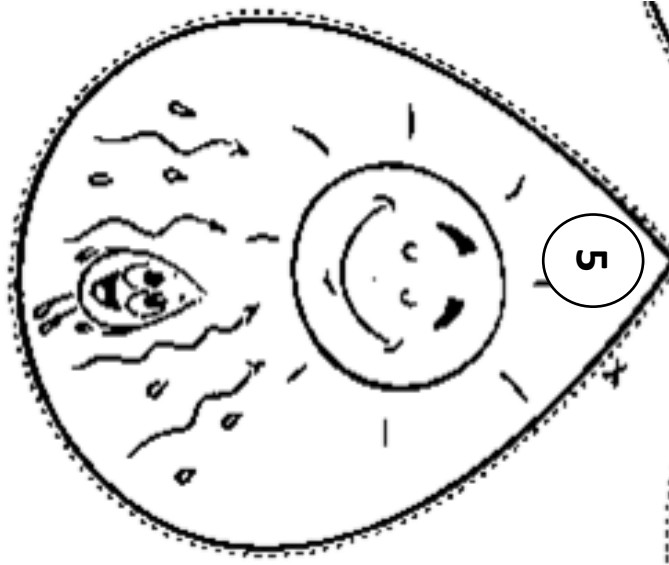
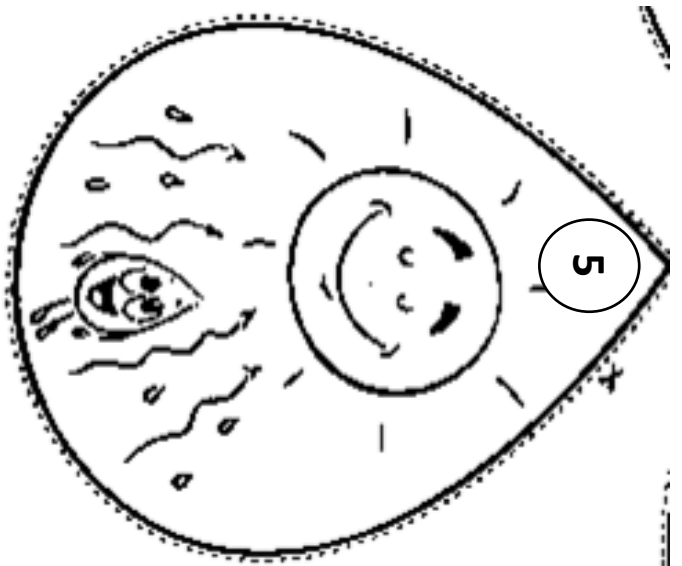
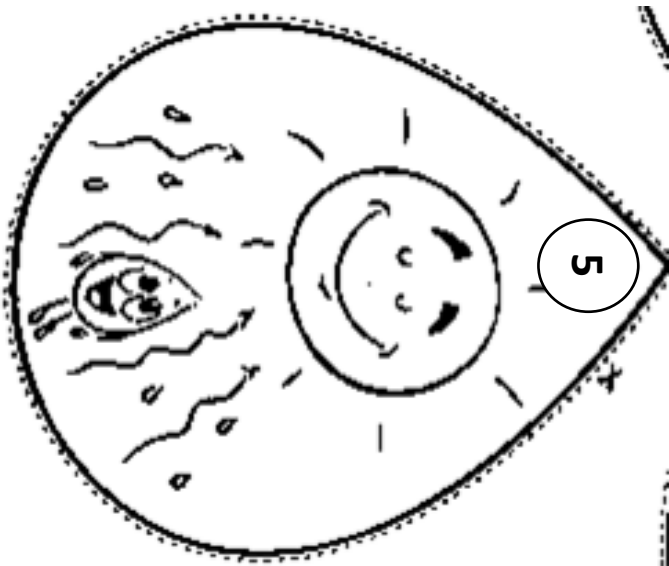


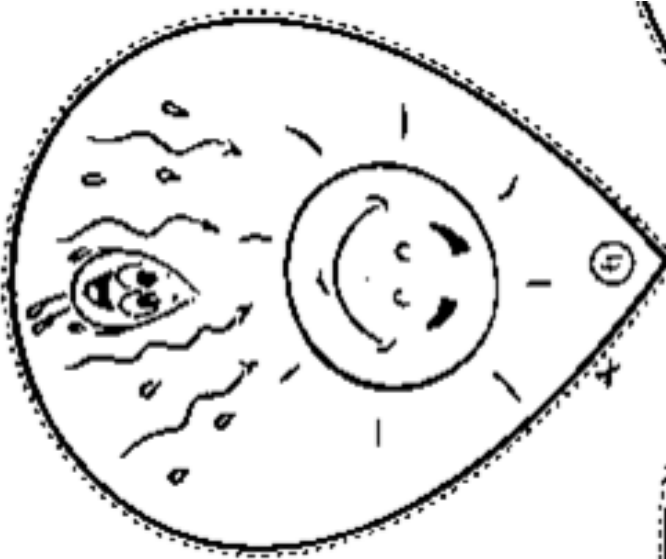
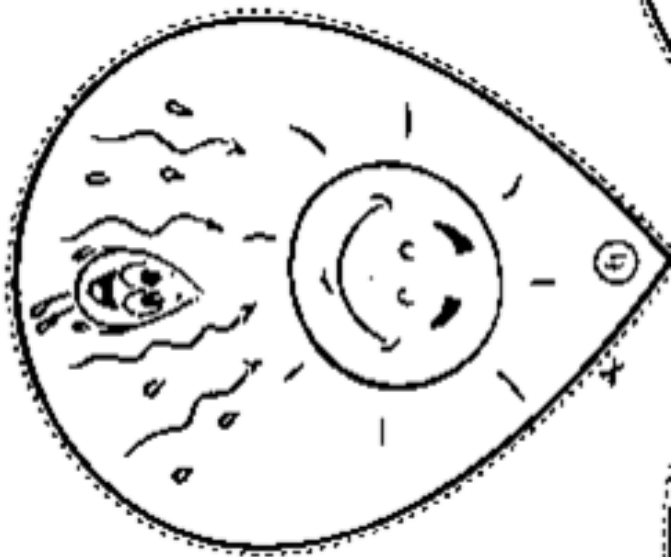
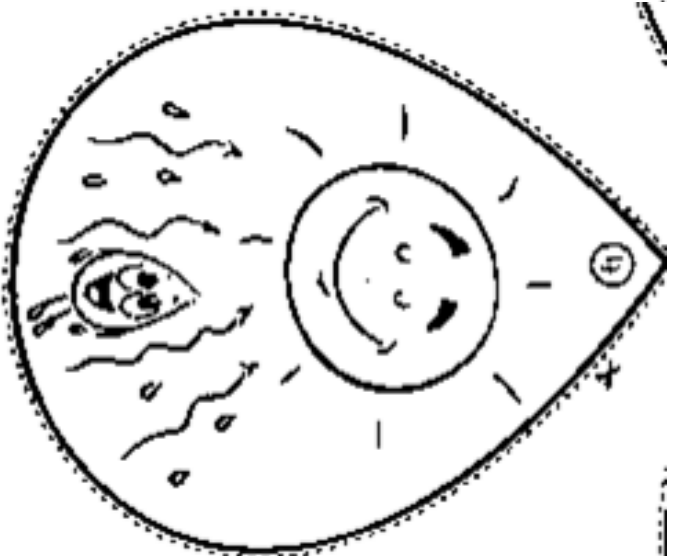
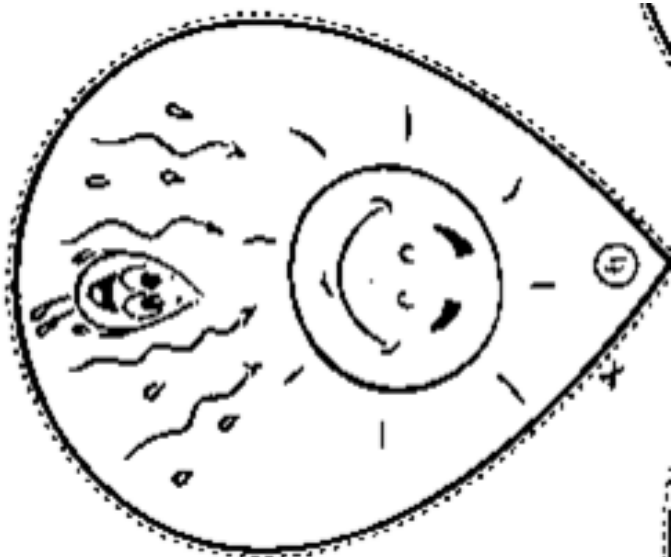
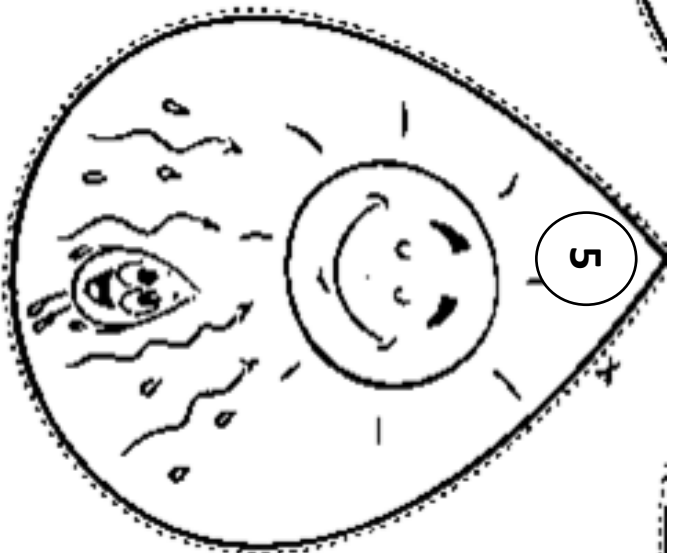
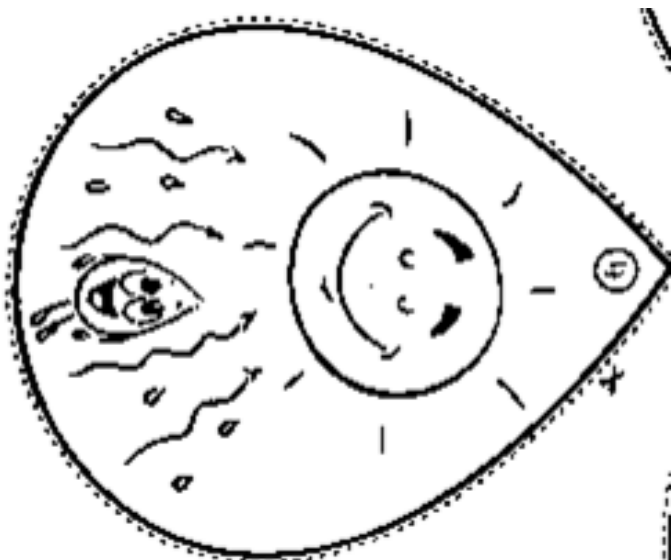
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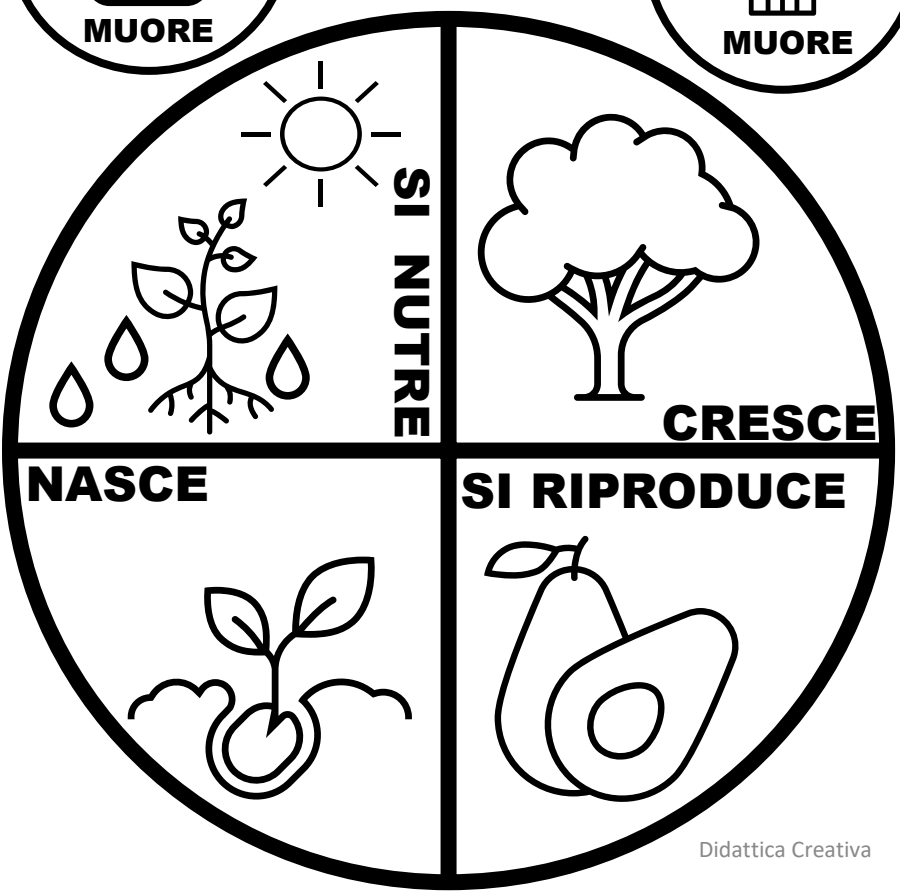
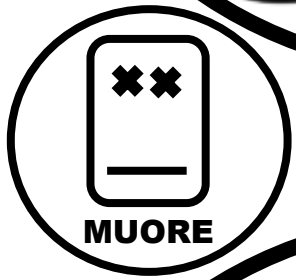
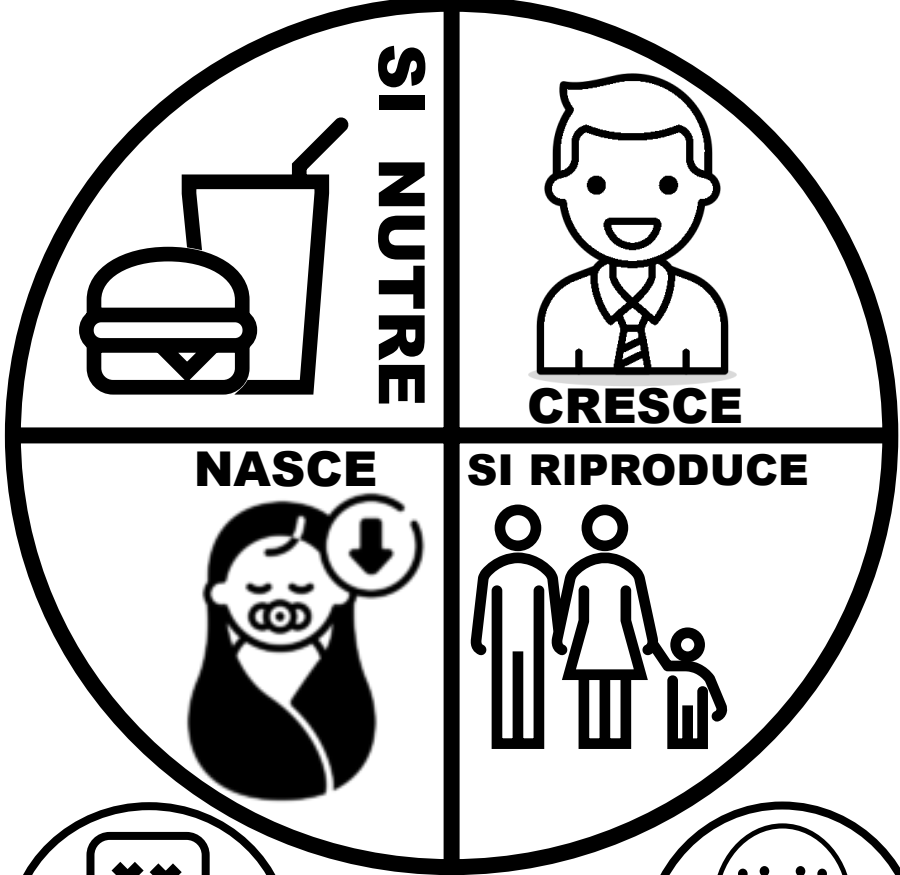


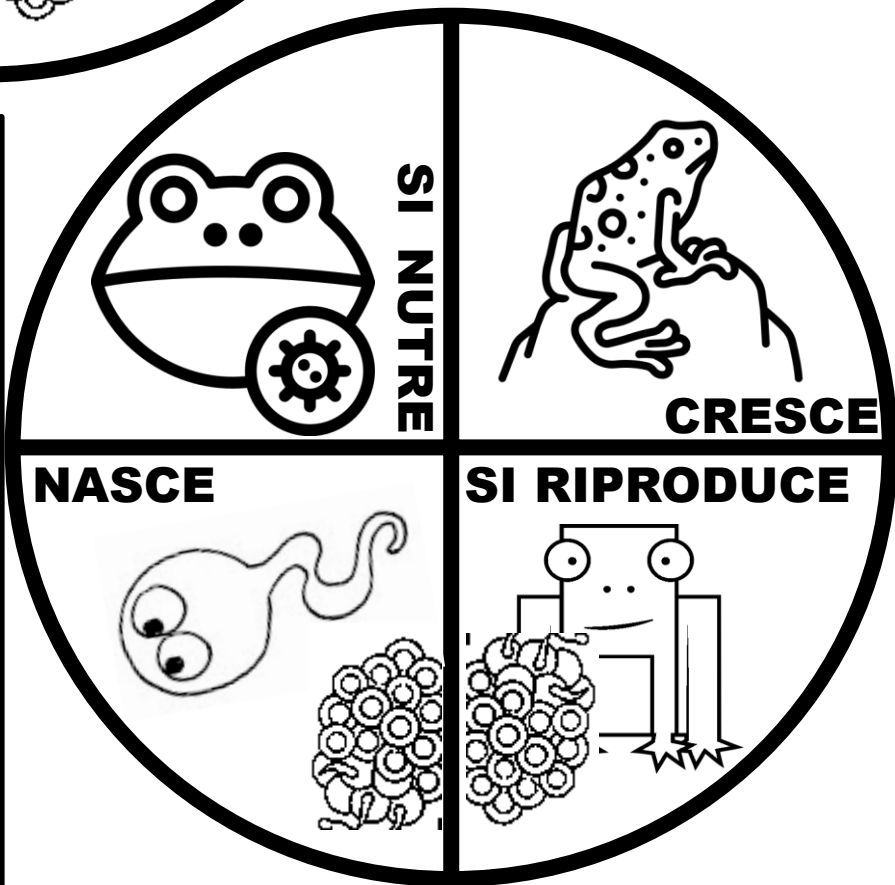
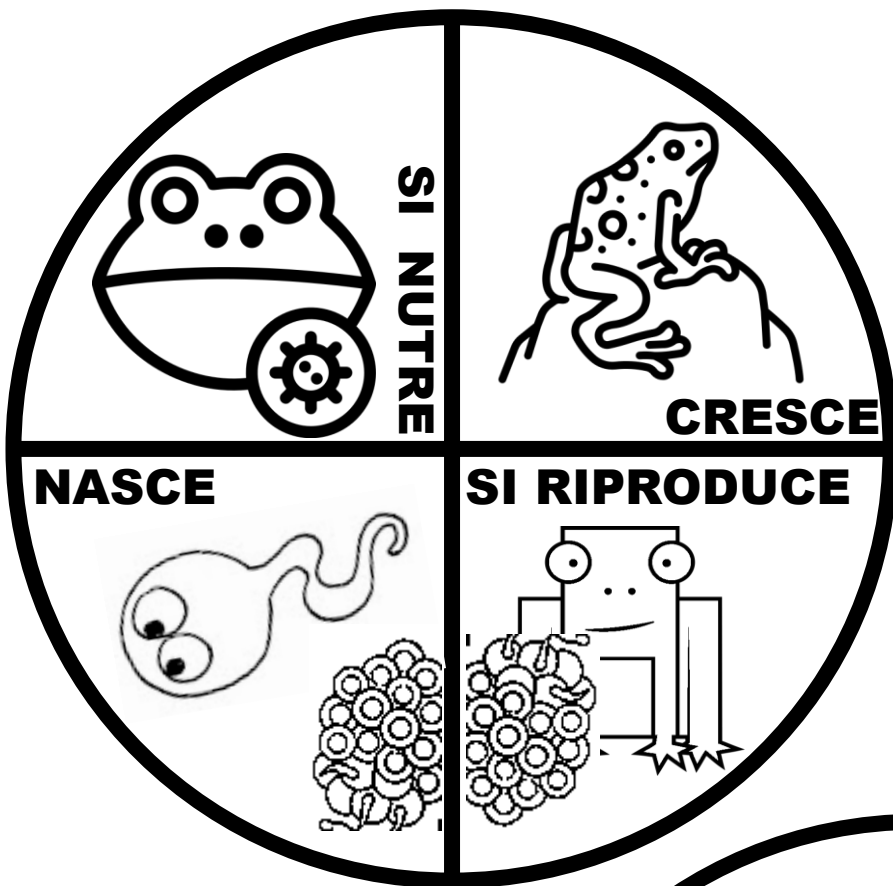
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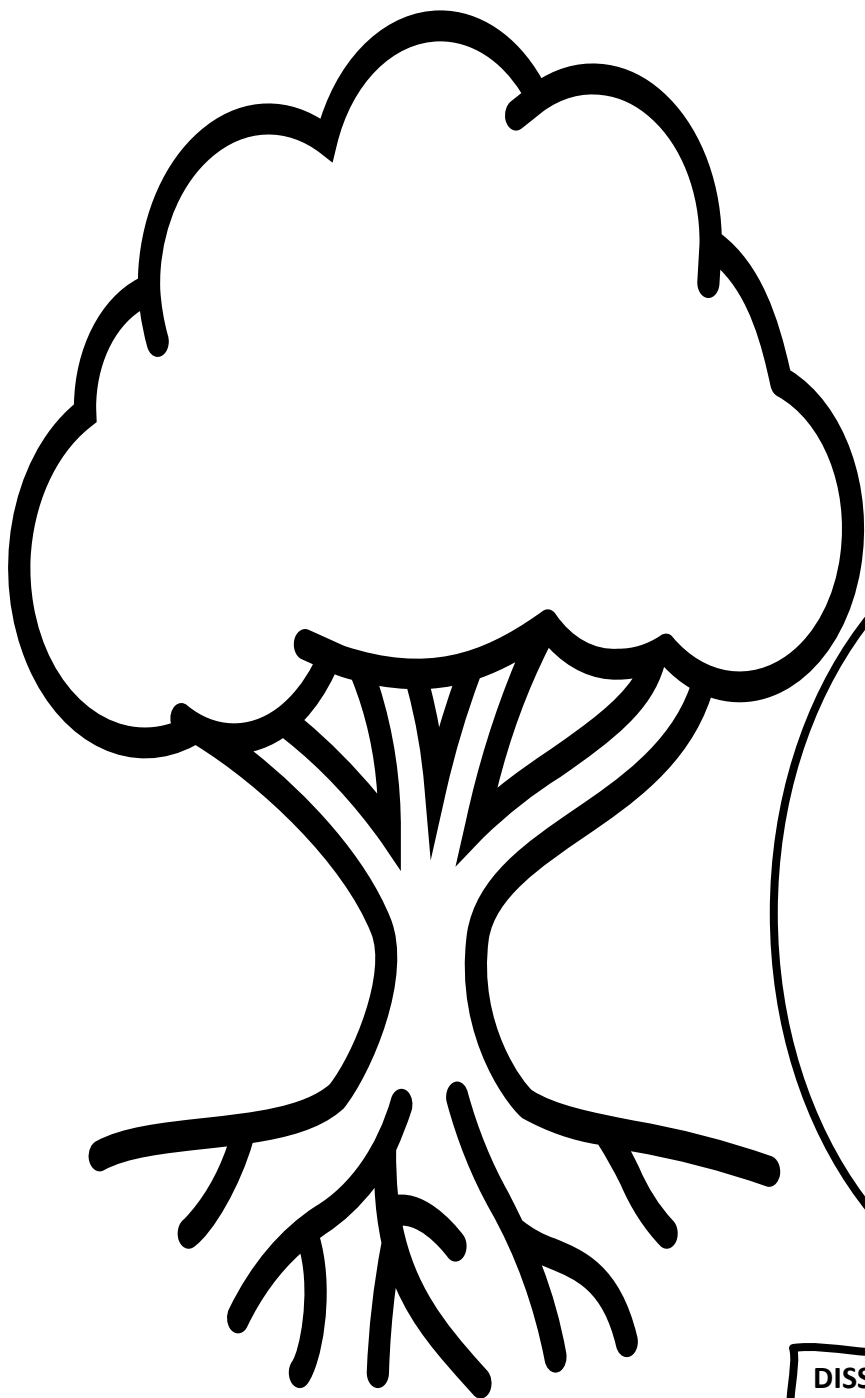












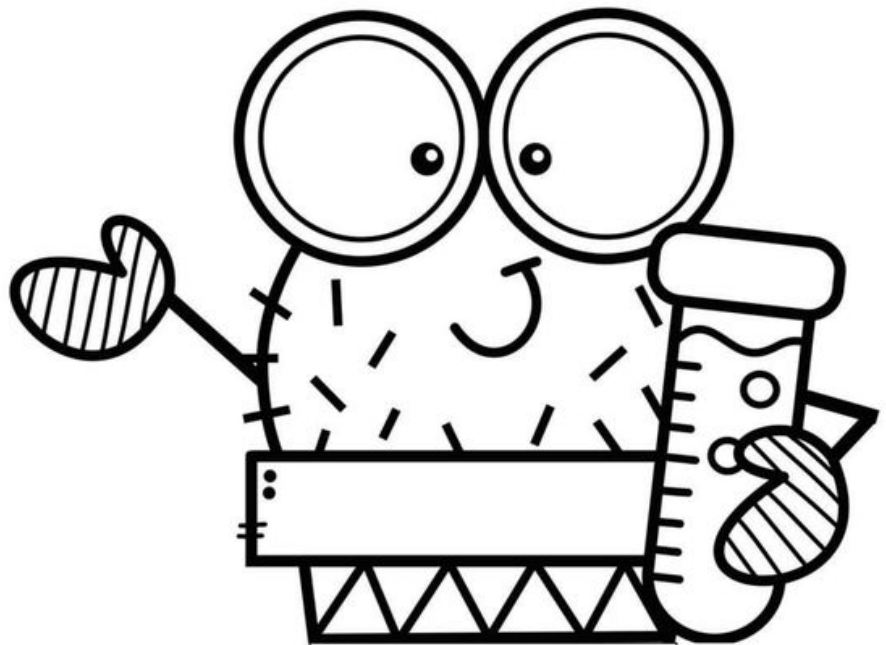
LE **RADICI** ASSORBONO ACQUA E SALI MINERALI CHE FORMANO LA **LINFA GREZZA**. ATTRAVERSO CANALI SOTTILI CHE SI TROVANO NEL **FUSTO** SALE FINO ALLE **FOGLIE**. LE FOGLIE ASSORBONO L'**ANIDRIDE CARBONICA** E CATTURANO L'**ENERGIA SOLARE** GRAZIE ALLA **CLOROFILLA**. AVVIENE LA **FOTOSINTESI** CHE TRASFORMA LA **LINFA GREZZA** IN **LINFA ELABORATA**, RICCA DI ZUCCHERI. ATTRAVERSO I **CANALI LINFATICI** RAGGIUNGE TUTTE LE PARTI DELLA PIANTA E LA NUTRE. DURANTE QUESTO PROCESSO LE FOGLIE LIBERANO L'**OSSIGENO**.

IMPOLLINAZIONE: IL POLLINE TRASPORTATO DAGLI INSETTI O DAL VENTO ARRIVANO SUL PISTILLO DI UN ALTRO FIORE.

FECONDAZIONE: IL POLLINE SCENDE NELL'OVARIO, SI UNISCE A UN OVULO E SI TRASFORMA IN SEME. L'OVARIO SI TRASFORMA IN FRUTTO.

DISSEMINAZIONE: NEL FRUTTO SI TROVA IL SEME CHE, PER DARE ORIGINE A UN'ALTRA PIANTA DEVE ESSERE TRASPORTATO SU UN SUOLO ADATTO. IL TRASPORTO AVVIENE GRAZIE AL VENTO, ALL'ACQUA O AGLI ANIMALI

GERMINAZIONE: SE IL TERRENO E' ADATTO IL SEME GERMOGLIA E DA' VITA AD UNA NUOVA PIANTA.



ANCHE SE SONO DIVERSE
LE PIANTE HANNO LA
STESSA STRUTTURA.

OGNI PARTE SVOLGE
UNA FUNZIONE
FONDAMENTALE.

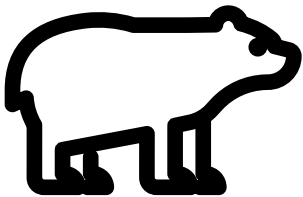
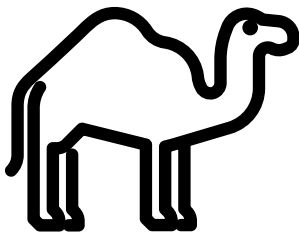
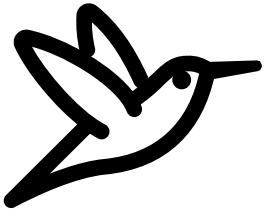
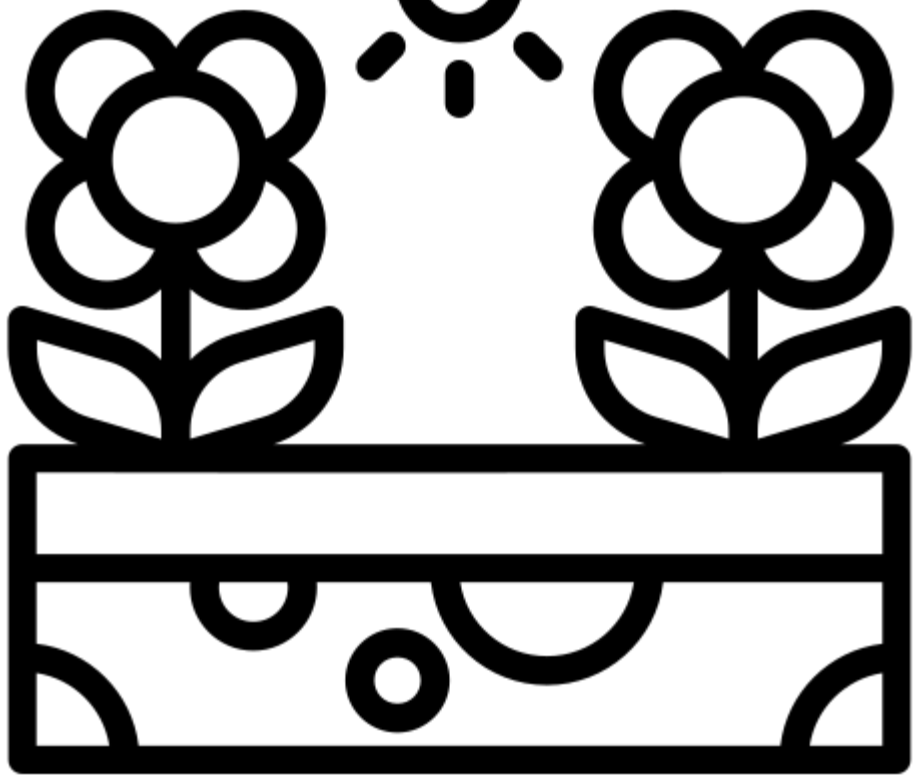
LE FOGLIE FANNO RESPIRARE
LA PIANTA E TRASFORMANO LE
SOSTANZE ASSORBITE IN
NUTRIMENTO.

I RAMI SOSTENGONO
LE FOGLIE, FIORI E
FRUTTI.

IL TRONCO SOSTIENE LA
PIANTA, TRASPORTA LE
SOSTANZE NUTRITIVE.

LE RADICI TENGONO
ANCORATA LA PIANTA AL
TERRENO E ASSORBONO
ACQUA E SALI MINERALI.





MAMMIFERI



UCCELLI



RETTILI



ANFIBI



PESCI



MOLLUSCHI



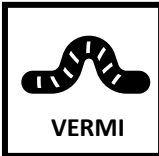
CROSTACEI



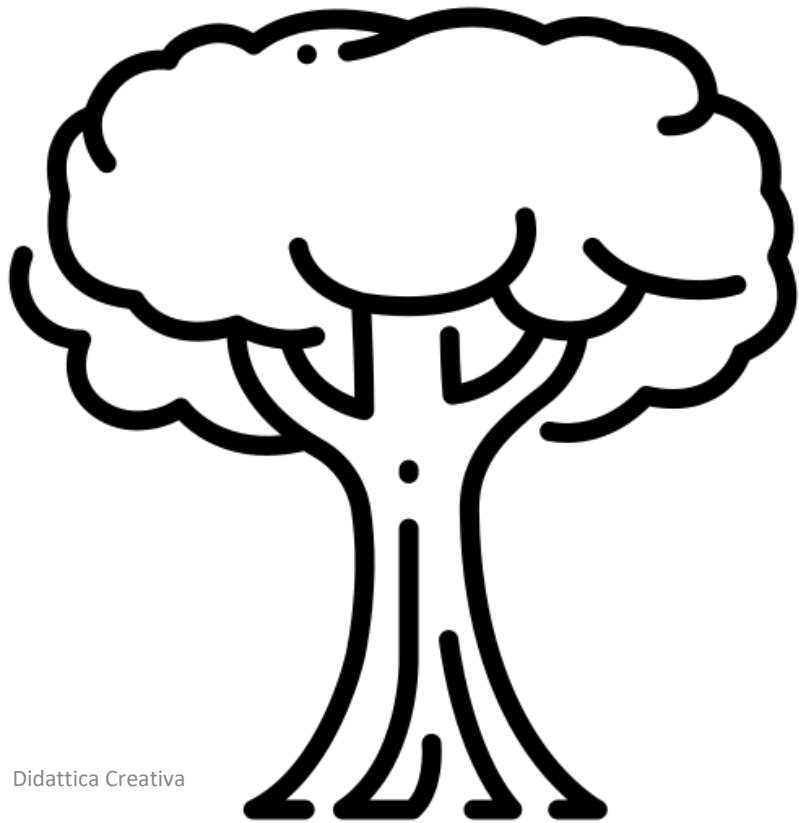
INSETTI

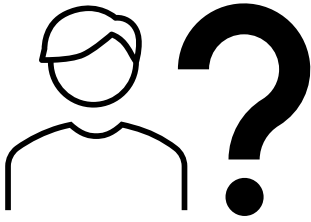
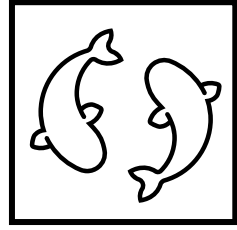
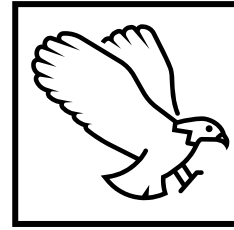
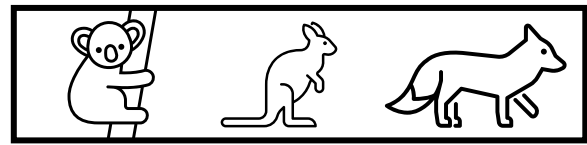
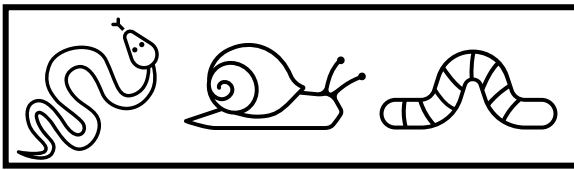


ARACNIDI



VERMI





L'UOMO E' ONNIVORO,
PER UNA CORRETTA
ALIMENTAZIONE DEVE
MANGIARE CARNE, PESCE,
FRUTTA, VERDURA E BERE
MOLTA ACQUA.

ANIMALI CHE SI
CIBANO DI VEGETALI
(CONIGLIO, PECORA, CAVALLO).

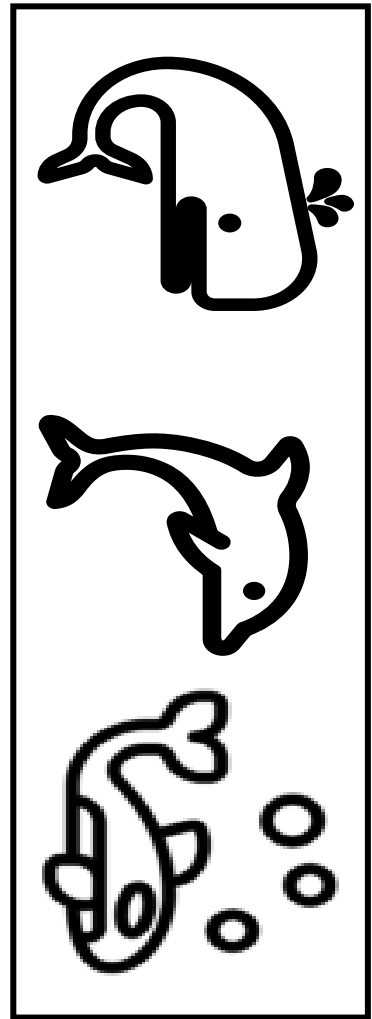
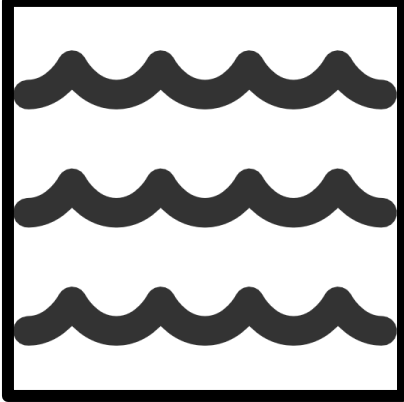
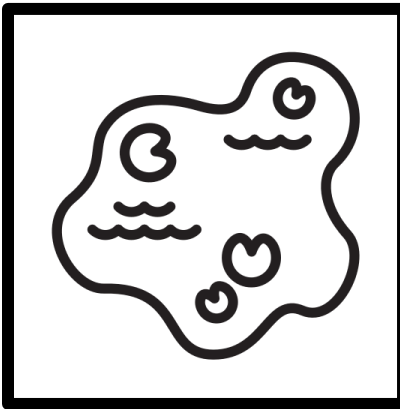
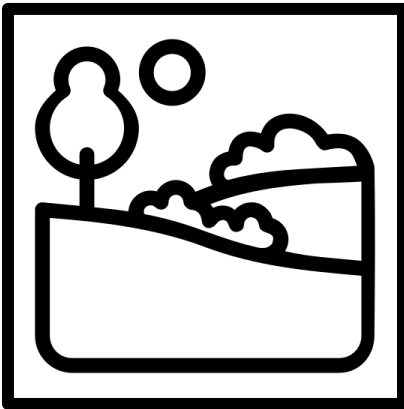
ANIMALI CHE SI
CIBANO DI INSETTI
(RONDINE, RAGNO).

LA DENTATURA
DEGLI ANIMALI
VARIA A SECONDA
DEL TIPO DI
ALIMENTAZIONE.

ANIMALI CHE SI CIBANO
DI SEMI E CHICCHI.
(PASSERI, CARDELLINI,
COLOMBI).

ANIMALI CHE SI
CIBANO SIA DI CARNE,
SIA DI VEGETALI
(MAIALE, ORSO, SCIMMIA).

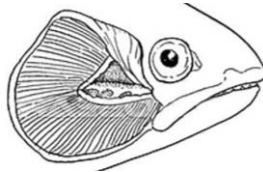
ANIMALI CHE SI
CIBANO DELLA CARNE
DI ALTRI ANIMALI
(VOLPE, GATTO, LEONE).



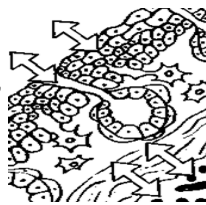
MAMMIFERI, UCCELLI
E RETTILI RESPIRANO
CON I POLMONI.



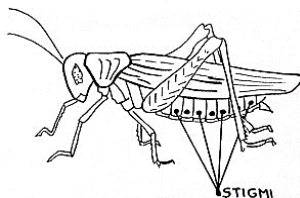
I PESCI RESPIRANO
CON LE BRANCHE.

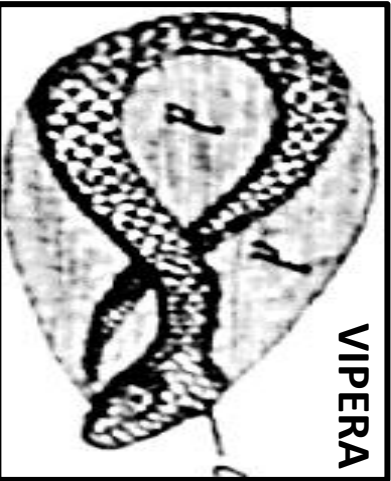


GLI ANFIBI DA PICCOLI
RESPIRANO CON LE BRANCHE,
DA ADULTI CON I POLMONI E
ATTRAVERSO LA PELLE.



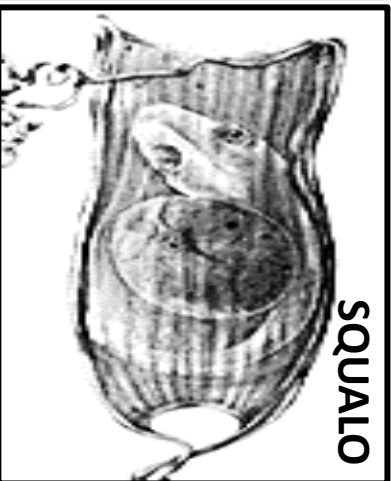
GLI INSETTI RESPIRANO
ATTRAVERSO GLI STIGMI,
DAI QUALI PARTONO LE
TRACHEE.



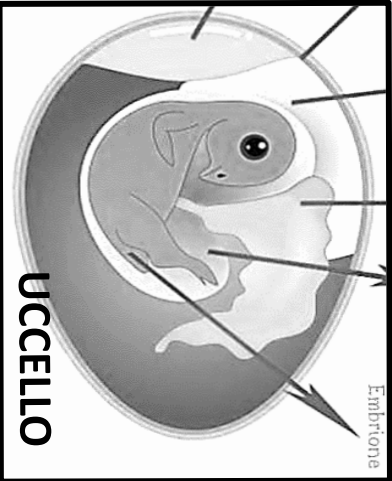


VIPERA

GLI OVOVIVIPARI TRATTENGONO LE UOVA NEL CORPO DELLA MAMMA FINO AL TERMINE DEL LORO SVILUPPO. QUANDO L'UOVO SI SCHIUDE IL PICCOLO ESCE DAL CORPO DELLA MADRE.

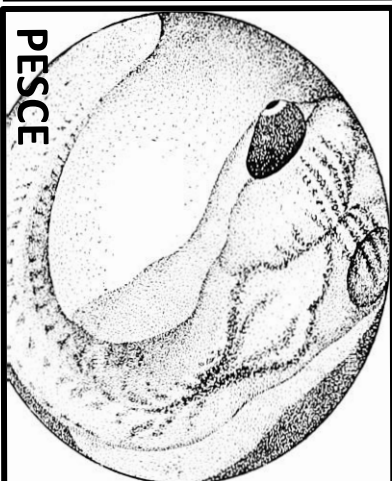


SQUALO

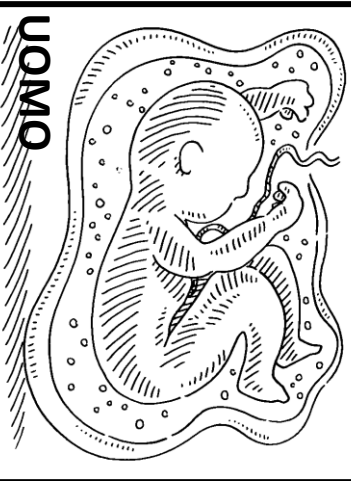


UCCELLO

GLI OVIPARI DEPONGONO LE UOVA FECUNDATE, DENTRO LE QUALI I VIVENTI TROVANO LE SOSTANZE NECESSARIE PER SVILUPPARI. LE UOVA DEGLI UCCELLI VENGONO COVATE; LE UOVA DEI PESCI, DEGLI ANFIBI E DEGLI INSETTI SONO GELATINOSE E NON VENGONO COVATE.



PESCE



UOMO

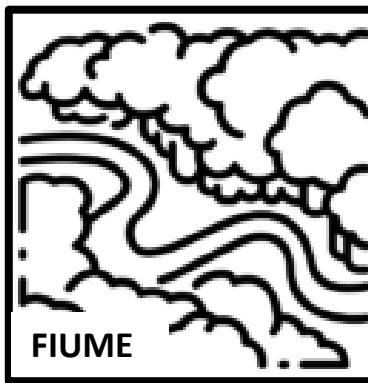
I VIVIPARI SI SVILUPPANO DENTRO IL CORPO DELLA MAMMA FINO ALLA NASCITA. SUCCESSIVAMENTE VENGONO ALLATTATI FINCHE' NON SARANNO IN GRADO DI PROCURARSI IL CIBO DA SOLI.



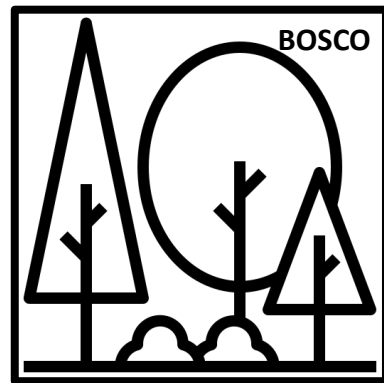
MUCCA



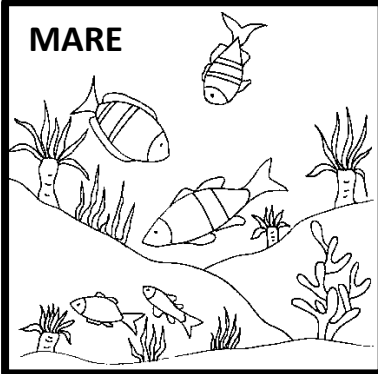
STAGNO



FIUME



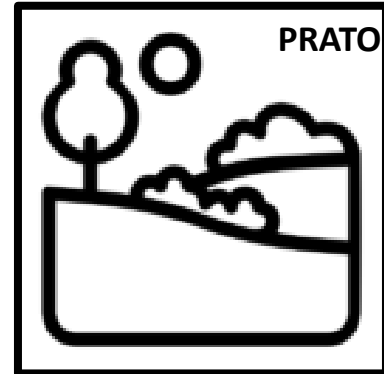
BOSCO



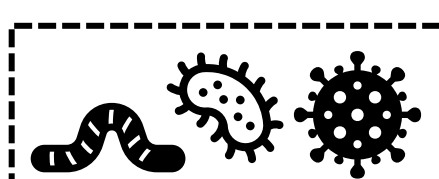
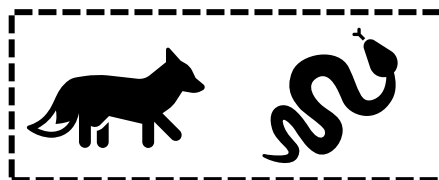
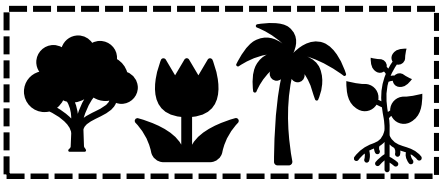
MARE



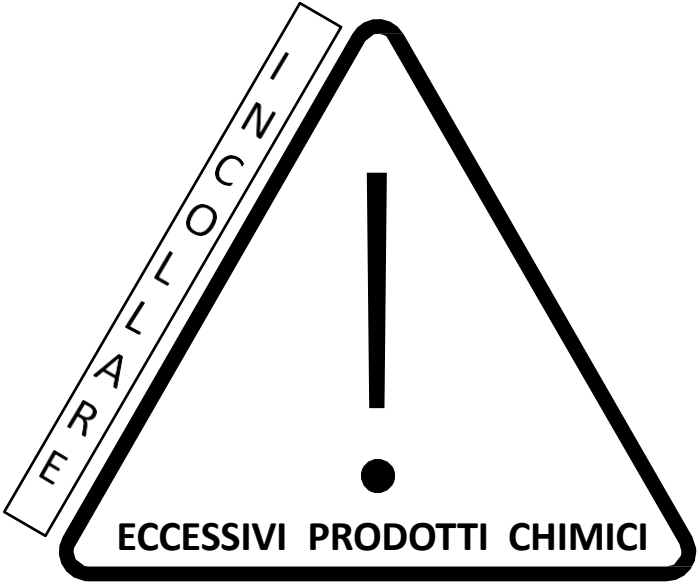
DESERTO



PRATO



<p>PRIMO ANELLO</p>	<p>COSTITUITO DAI PRODUTTORI: LE PIANTE CHE PROCURANO IL PROPRIO NUTRIMENTO DAL TERRENO.</p>
<p>SECONDO ANELLO</p>	<p>COSTITUITO DAI CONSUMATORI PRIMARI CHE SI NUTRONO DELLE PIANTE (ERBIVORI).</p>
<p>TERZO ANELLO</p>	<p>COSTITUITO DAI CONSUMATORI SECONDARI (CARNIVORI) CHE SI NUTRONO DI ANIMALI ERBIVORI.</p>
<p>QUARTO ANELLO</p>	<p>COSTITUITO DAI CONSUMATORI TERZIARI (CARNIVORI) CHE SI NUTRONO DI ANIMALI CARNIVORI.</p>
<p>ULTIMO ANELLO</p>	<p>COSTITUITO DAI DECOMPOSITORI: VERMI, FUNGHI E BATTERI CHE SI NUTRONO DI ANIMALI E VEGETALI MORTI E LI TRASFORMANO IN SOSTANZE NUTRITIVE, CHE RITORNANO NEL TERRENO E PERMETTONO ALLE PIANTE DI VIVERE.</p>



ECESSIVI PRODOTTI CHIMICI

L'USO ECCESSIVO DEI PRODOTTI CHIMICI INQUINANTI HA PROVOCATO UNA DIMINUZIONE DEL NUMERO DI RONDINI.

DI CONSEGUENZA SONO AUMENTATI GLI INSETTI DANNOSI, DI CUI SI NUTRE LA RONDINE.



CACCIA ECCESSIVA

IN CERTE ZONE LA CACCIA HA PORTATO ALLA SCOMPARSA DI GRANDI PREDATORI COME L'ORSO E IL LUPO, PROVOCANDO UN AUMENTO INCONTROLLATO DEGLI ERBIVORI E QUINDI UNA DIMINUZIONE DELLA VEGETAZIONE.



VIVENTI DI ALTRI HABITAT

L'UOMO INTRODUCE ANIMALI E PIANTE PROVENIENTI DA TERRE LONTANE, METTENDO IN PERICOLO LE SPECIE CHE GIA' VI ABITANO. LE NUTRIE SONO STATE PORTATE IN ITALIA PER LA PRODUZIONE DI PELLICCE E ORA STANNO PROVOCANDO DANNI ALLA VEGETAZIONE E AD ALCUNI UCCELLI, DI CUI MANGIANO LE UOVA E I PICCOLI.

