

## Science –Soil Formation

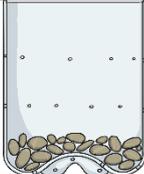
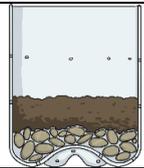
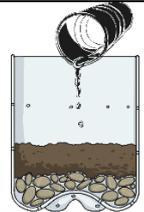
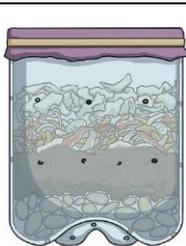
This week, as part of our science rock theme, we are going to dig deep and go underground to investigate the earth beneath our feet. We are going to learn about the layers of soil, what is made from, how is it made as well as the option of making a mini compost bin out of natural materials and a plastic bottle.

### Your tasks

1. Read Twinkl's PowerPoint 'Soil Formation' in the Year 3 Theme tab to learn all about the soil.
2. Complete the soil learning sheet found on the next page. You can either copy it out in your home learning books or you can print it off to fill in. Use what you have learnt from the PowerPoint to answer the questions.

### Challenge

To explore more about soil, you could try to make a mini compost bin. You will find instructions below

Step	Instruction	Picture
1	Get a plastic bottle and cut it across halfway up the bottle. Puncture a few holes as shown in the diagram. Place small stones as the first layer. <b>Get an adult to help you cut the bottle and puncture the holes.</b>	
2	Add a layer of compost.	
3	Add a small amount of water so that the compost is moist but not completely wet.	
4	Wear plastic gloves while adding a thin layer of <b>green waste (vegetables, grass clippings, tea leaves, raw or cooked fruit)</b> Place a handful of scraps on top of the compost; it will fall further by itself so there is no need to push it down. This provides nitrogen to the soil.	
5	Add a thick layer of brown waste (shredded paper, old potting soil, wood shavings, old leaves) and add it as the topmost layer of your mini compost bin. Then add a little water. This provides carbon to the soil.	
6	Add a thin piece of fabric over the top of the plastic bottle and secure it with an elastic band. Keep the mini compost bins away from the sunlight. Every other day, check that the top layers of compost are damp. This is a long process which could take 4-6 weeks. When it is dark with an earthy smell you could use it in the garden for your plants.	

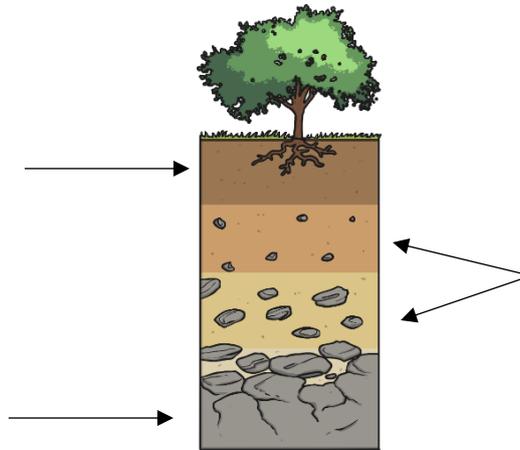
Soil Formation

1. What is soil made of?

- a) \_\_\_\_\_
- b) \_\_\_\_\_
- c) \_\_\_\_\_
- d) \_\_\_\_\_

2. What is soil **mostly** made up of? \_\_\_\_\_

3. Label the different layers of soil on the picture below.



4. How is soil formed? Answer these questions:

a) Name 2 things that are soil additions.

\_\_\_\_\_

b) Name 1 soil loss.

\_\_\_\_\_  
\_\_\_\_\_

c) What is translocation?

\_\_\_\_\_

d) Name and describe a soil translocation.

\_\_\_\_\_

e) A transformation occurs when something changes into something else. Name one thing that can transform a soil.

\_\_\_\_\_

5. Match the pictures to the soil descriptions and names.

1	<p style="text-align: center;"><b>Sandy Soil...</b></p> <p>...is pale and dry with lots of small air gaps.</p>
---	--

A	
---	--

2	<p style="text-align: center;"><b>Clay Soil...</b></p> <p>...is a wet, sticky soil with very few air gaps.</p>
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B	
---	--

3	<p style="text-align: center;"><b>Chalky Soil...</b></p> <p>...is stony and drains very easily.</p>
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C	
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4	<p style="text-align: center;"><b>Loamy Soil...</b></p> <p>...is perfect soil which drains well and is full of nutrients. It is usually dark in colour.</p>
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D	
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5	<p style="text-align: center;"><b>Peaty Soil...</b></p> <p>...is very dark and is made from very old decaying plants. It can be cut into blocks.</p>
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E	
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## French

This week, we are learning about the names of animals that can be found in the wild.

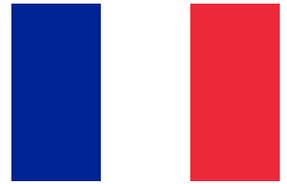
### Tasks:

1. Have a look at these videos to learn some animal names:

<https://www.youtube.com/watch?v=WKsabmUUQ5s>

<https://www.youtube.com/watch?v=y0JBUEiLYXI>

<https://www.youtube.com/watch?v=dR0-WEsecoA>



2. Match the animal name in English to the animal name in French. You can write the answers in your home learning book. Use the videos, look the French word up on Google translate or use the word mat on the next page if you are stuck. If you are stuck on how to say the French Word, Google translate will say it for you and you can try and copy!

1	lion
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2	giraffe
---	---------

3	cat
---	-----

4	monkey
---	--------

5	butterfly
---	-----------

6	dog
---	-----

A	le papillon
---	-------------

B	le chat
---	---------

C	le girafe
---	-----------

D	le lion
---	---------

E	le singe
---	----------

F	le chien
---	----------

3. Use Google translate or the videos to find out what animals these are. Draw a picture to match at least 5 French animal words and write the English word too.

For example:



le chien

dog

Le lapin

la abeille

le souris

le poisson

le ours

l'éléphant

la grenouille

la libellule

le chimpanzé

le serpent

le canard

la chauve-souris

## Animals in French Word Wall

Use Google Translate to practice how to say these animal names.

le mouton 

l'âne (m) 

la souris 

la gerbille 

le cochon 

la chèvre 

le chat 

le hamster 

la vache 

le cheval 

le chien 

le perroquet 

la poule 

le canard 

le poisson  
rouge 

le cochon  
d'Inde 

le zèbre 

le perroquet 

le serpent 

le chimpanzé 

le lion 

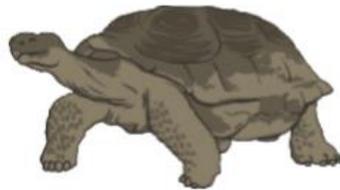
l'hippopotame  
(m) 

le tigre 

l'éléphant  
(m) 



un dromadaire



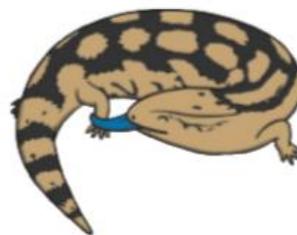
une tortue



une tarantule



un vautour



un lézard



un scorpion



elephant l'éléphant



cheetah le guépard



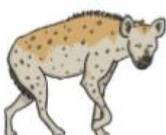
snake le serpent



wildebeest le gnou



vulture le vautour



hyena la hyène



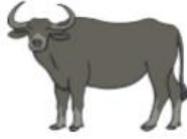
rhinoceros le rhinocéros



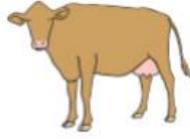
camel le chameau



**ostrich** l'autruche



**buffalo** le buffle



**cow** la vache



**leopard** le léopard



**antelope** l'antilope



**giraffe** la girafe



**python**  
le python



**anteater**  
le fourmilier



**butterfly**  
le papillon



**sloth**  
le paresseux



**ant**  
la fourmi



**panda**  
le panda



**termite**  
la termite



**fruit bat**  
la roussette



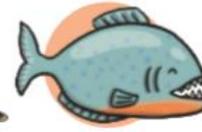
**orangutan**  
l'orang-outan



**chimpanzee**  
le chimpanzé



**ocelot**  
l'ocelot



**piranha**  
le piranha



**macaw**  
le ara macao



**iguana**  
l'iguane



**tree frog**  
la rainette



**tapir**  
le tapir



**lemur**  
le lémurien



**caiman**  
le caïman



**gorilla**  
le gorille



**leopard**  
le léopard