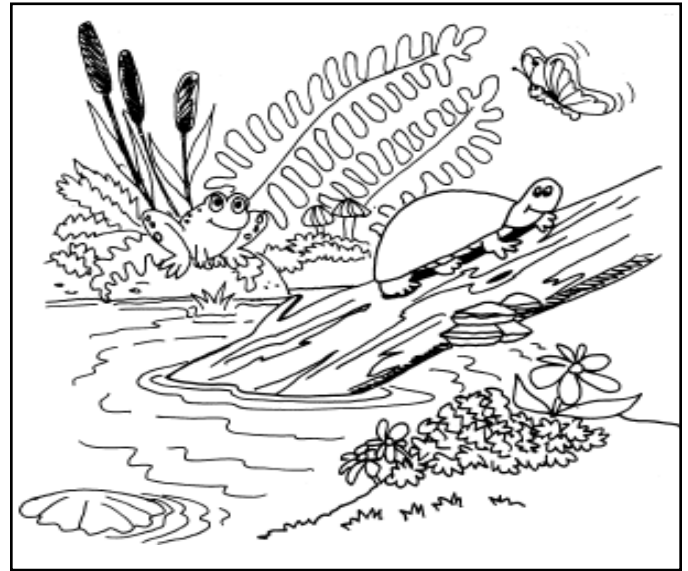
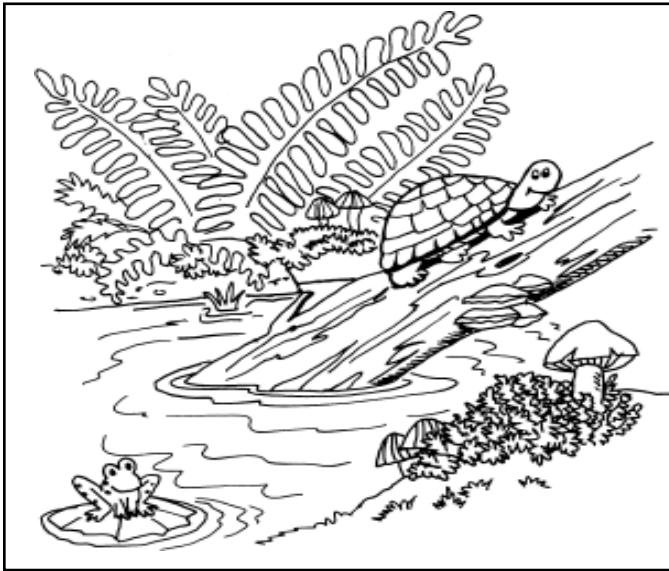


# Classifying

Look at the pictures below. Some things in the picture are the same and some are different. Circle at least 5 things that are different.

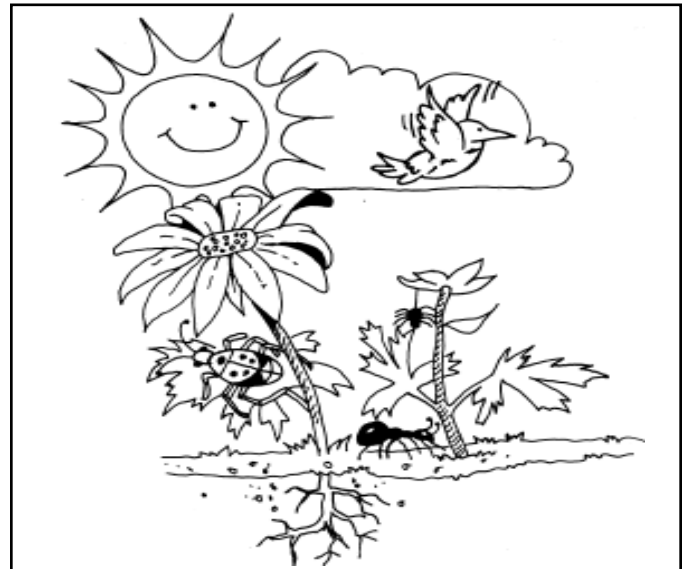
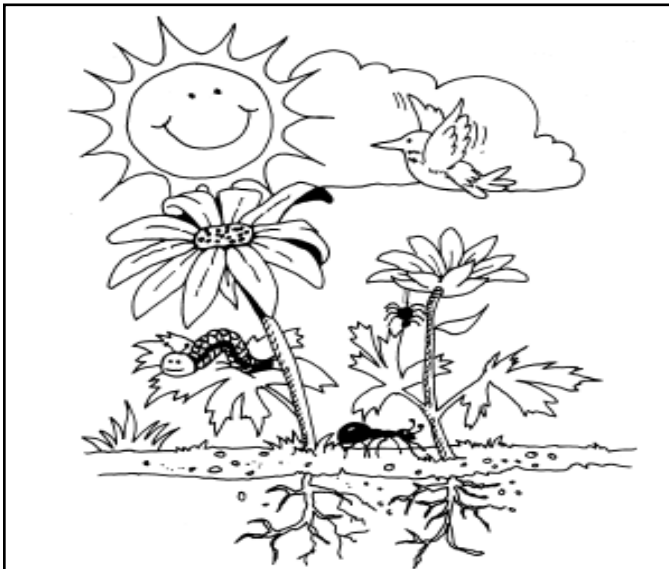


Describe what is different about these pictures.

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Look at the pictures below. Circle at least 3 things that are the same.



Describe what is the same about these pictures.

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# Interpreting

It is hard to imagine a time when there were no telephones. But before the telephone was invented, people used a telegraph. Messages were sent by using a code made up of dots and dashes. This was called the Morse Code for its inventor. Each letter in the alphabet had its own code of dots (.) and dashes (-).

## Morse Code Alphabet

A . _	B _...	C _..	D _..	E .	F ...	G _..
H ....	I ..	J .---	K _.	L ...	M __	N _.
O _ _ _	P . _ .	Q _ _ .	R _ .	S ...	T _	U ..
V ... _	W . _ _	X .. _	Y _ . _	Z _ _ .		

Can you decode this Morse Code message?

... . \_ \_ \_ . . . . . \_ \_ \_ \_ \_ . . . . .

\_\_\_\_\_

.. \_ . ... . . \_ . \_ . . . . . \_ . . . . .

\_\_\_\_\_

--- \_ \_ \_ . . . . . \_ . . . . . \_ . . . . .

\_\_\_\_\_



Write your own coded message to a friend.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

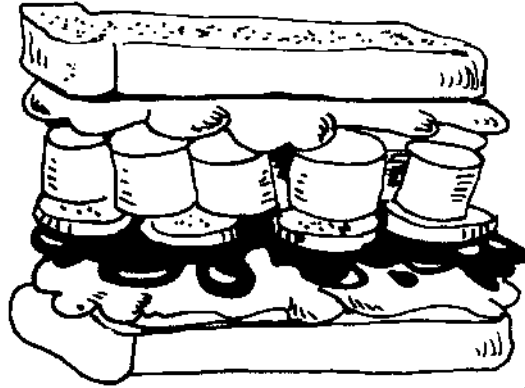


# Our Earth Has Layers

The earth is made up of different layers of rock. In some ways, the layers are like different layers of a peanut-butter-and-jelly sandwich.

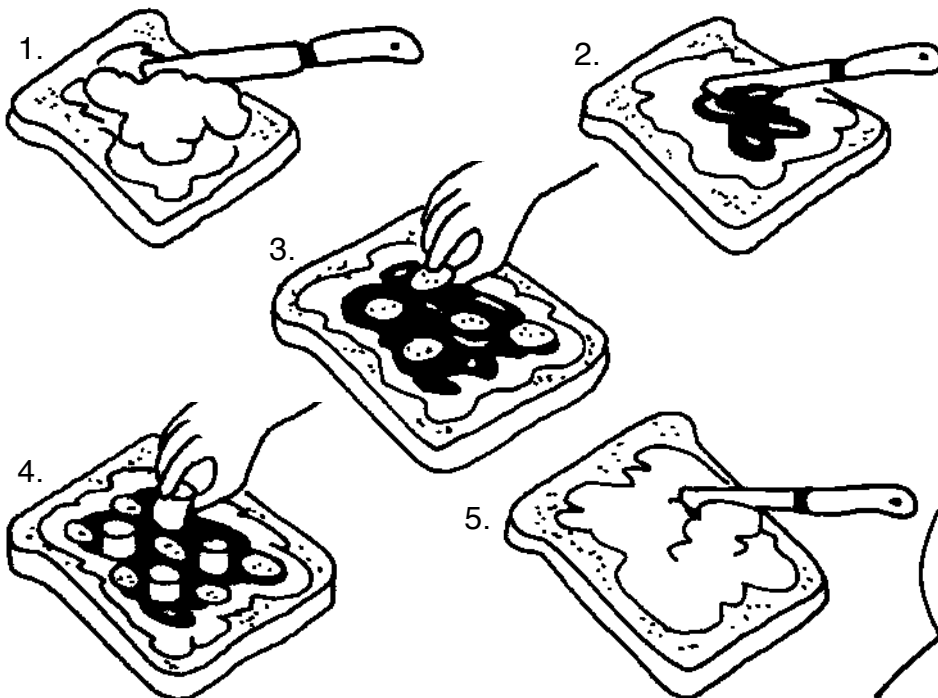
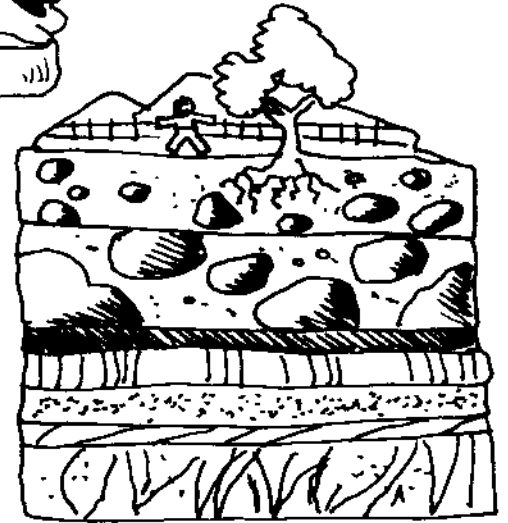
## What you need:

- a slice of white bread
- a slice of wheat bread
- jelly
- peanut butter
- marshmallows
- a banana
- a plate
- a butter knife



## What to do:

1. Place the white bread on a plate.  
Spread a layer of peanut butter on the bread.
2. Spread a layer of jelly on the peanut butter.
3. Place slices of banana on the jelly.
4. Place marshmallows on the banana slices.
5. Spread a layer of peanut butter on the wheat bread.
6. Top your sandwich with the wheat bread and peanut butter.
7. Take a bite of your sandwich for lunch and look at what the layers look like. Draw and color a picture of the layers of your sandwich.

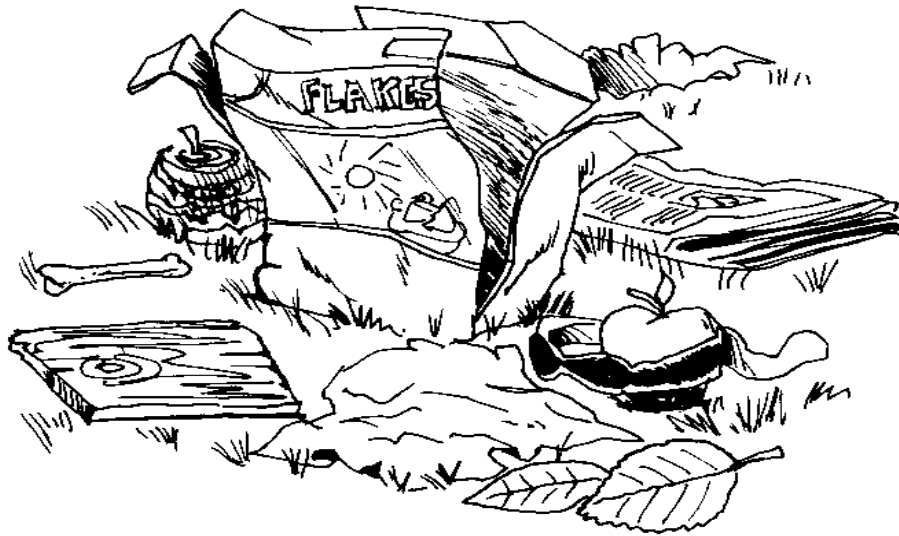


# Biodegradable

Look in your garbage. You will see many things. But you will see only two types of waste—biodegradable and nonbiodegradable. Biodegradable waste decomposes or breaks down in a short time. Nature recycles waste like food and leaves. What other kinds of things do you think are biodegradable?

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People-made things like tin cans, plastic six-pack holders, Styrofoam, and glass can stay around for a very, very long time. A tin can can last 100 years in a garbage dump. An aluminum container can last 500 years. Glass and plastics will last even longer. What other kinds of things do you think are not biodegradable?

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