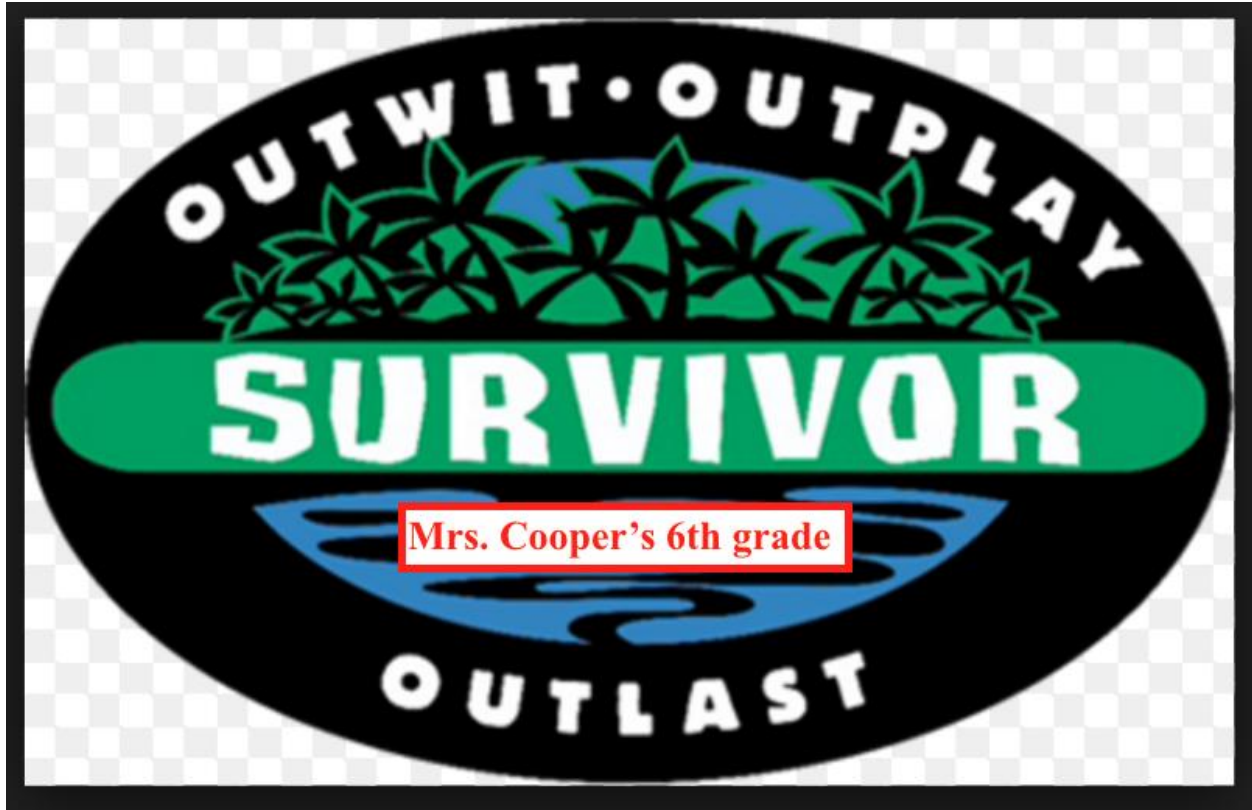


SCIENCE SURVIVOR

(theme song for Survivor)

<https://www.youtube.com/watch?v=wyb2HYSne3E>

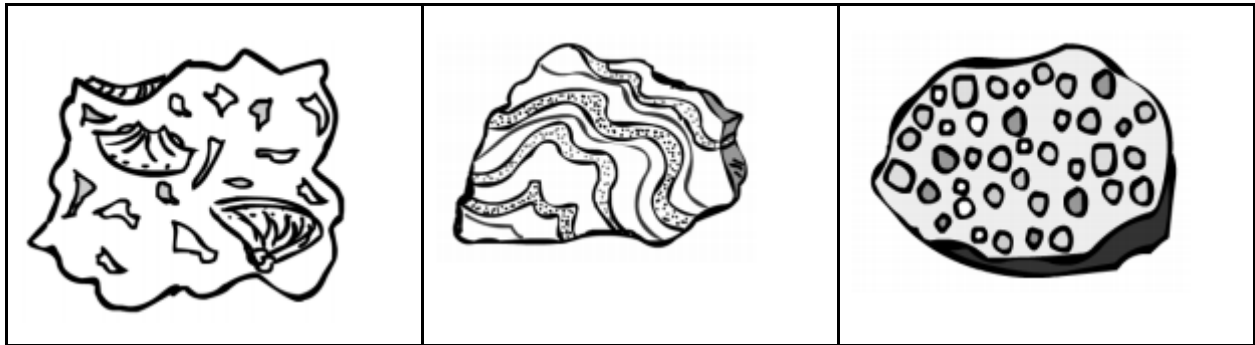


THE EARTH

Cut out the three boxes below and glue across the top of a piece of paper

| Sedimentary | Metamorphic | Igneous |
|-------------|-------------|---------|
|-------------|-------------|---------|

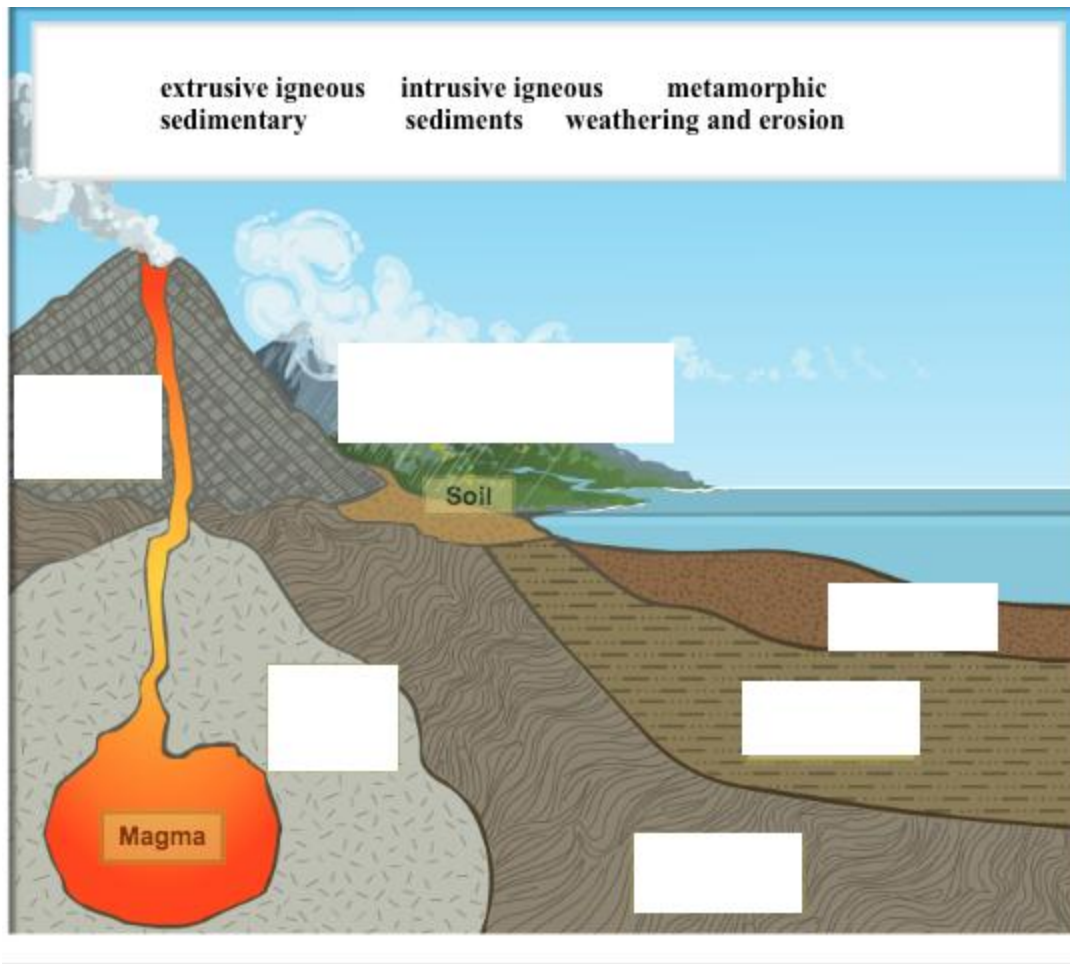
Cut out the pictures below and glue under the correct type of rock



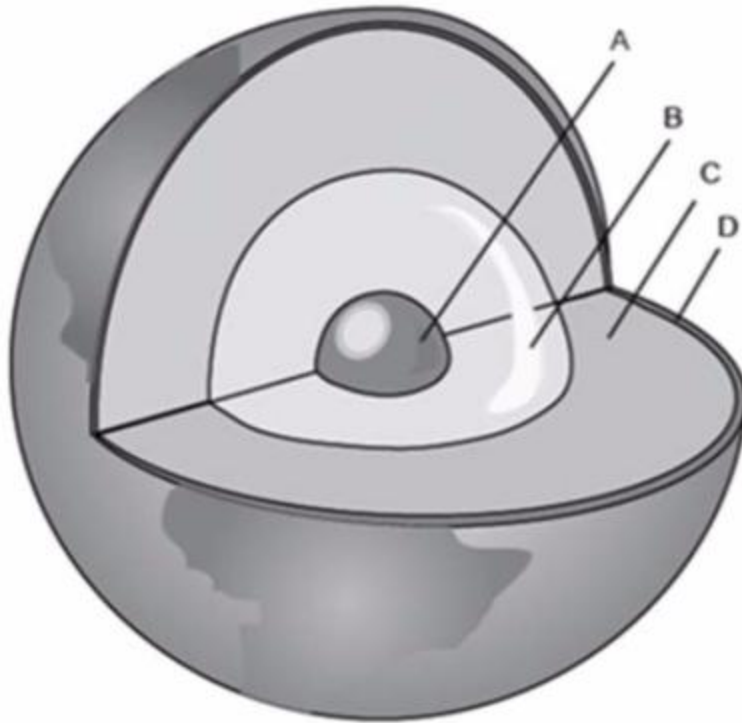
Cut out the boxes below and glue under the correct type of rock

| | | |
|--|--|--|
| Most fossils are found in this type of rock | Formed by heat and pressure | Rocks that have changed from another type of rock |
| Name means from fire or heat | Formed over time when layers of sand and mud turn into rock | Most mountains are made from this type of rock |
| Least common type of rock | Formed when volcanoes erupt and lava cools and hardens | This type of rock formed in layers |
| Have visible crystals of different minerals. | Are formed from molten liquid rock that has solidified | Are formed inside the Earth from heat and pressure. |
| Are composed of rounded grains or fragments of other rocks cemented together in layers. | Visible layers may be bent or distorted. | Are made of tiny grains or rounded pebbles cemented together. |
| Are formed inside the Earth from heat and pressure. | Some have straight layers which often contain fossils of plants or animals. | Foliated layers are usually bent or wavy. |

Write the terms in the proper place



Label the 4 layers of the earth



A.

B.

C.

D.

Fill in the table below

| Earth Layer | Composition (what it is made of) | Thickness | Temperature |
|-------------|-------------------------------------|-----------|-------------|
| | | | |
| | | | |
| | | | |
| | | | |

HEAT

Cut out the three boxes below and glue across the top of a piece of paper

| | | |
|------------------|-------------------|-------------------|
| RADIATION | CONDUCTION | CONVECTION |
|------------------|-------------------|-------------------|

Cut out the boxes below and glue under the correct type of heat transfer

| | | |
|--|---------------------------|---------------------------------------|
| Burning yourself on a hot car seat in the summer | A pot of boiling water | Ice cooling down a drink |
| The heat from a woodstove heating a room | A burn from the sun | Ocean currents of warm and cold water |
| Making popcorn in the microwave | The heat from a lightbulb | Burning yourself on a wood stove |

Heat moves from

| | |
|-------------|-------------|
| hot to cold | cold to hot |
|-------------|-------------|

_____ transfers heat when TOUCHING

_____ transfers heat through electromagnetic waves

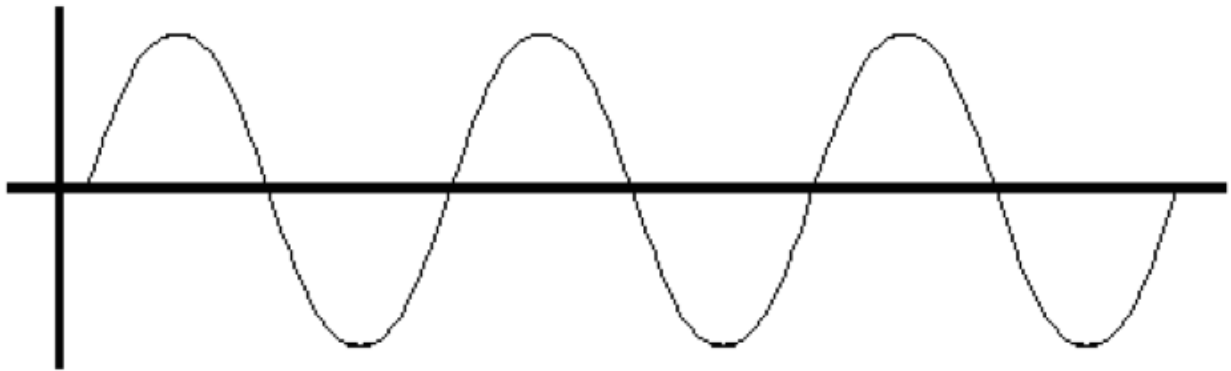
_____ transfers heat through a liquid or a gas

_____ is a good conductor of heat

WAVES

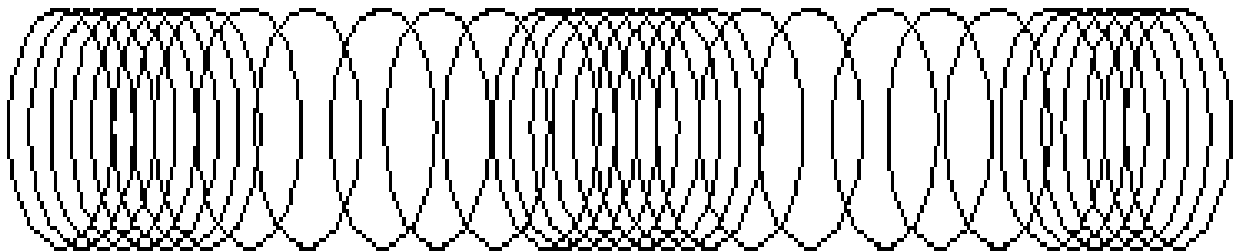
Label each part of the wave:

Crest, Trough, Wavelength, Amplitude, Line of rest



Label each part of the wave:

Compression, Rarefaction, Wavelength



WAVE QUESTIONS

*Use the slinky to help you find **some** of the answers

1. How does frequency affect the wavelength?
2. How does amplitude affect the wavelength?
3. What is carried by a wave?
4. What do we call waves that require a medium to travel through?
5. What do we call waves that do not require a medium to travel through?
6. Draw an example of a **longitudinal** wave.

7. Draw an example of a **transverse** wave.

Cut out the boxes below and glue under the correct type of wave

| Mechanical Requires a medium | Electromagnetic Does NOT require a medium |
|---|--|
| | |
| | |
| | |
| | |

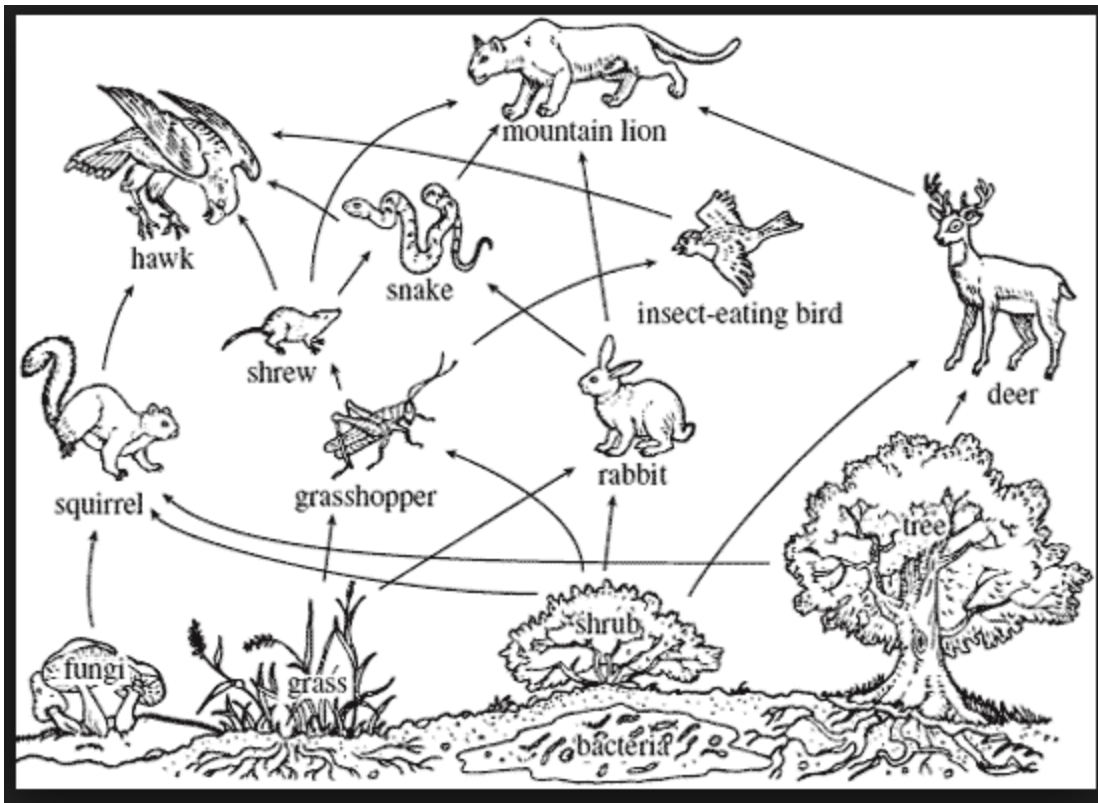
| | | | |
|------------------|-----------------------|-------------------------|----------------------|
| X Ray | Sound wave | Ocean wave | Radio wave |
| Microwave | A stadium wave | The Queen's wave | Infrared wave |

ECOSYSTEMS

Give 2 examples of each

| Mutualism | Commensalism | Parasitism. |
|------------------|---------------------|--------------------|
| * | * | * |
| * | * | * |

Food Web



Using the picture of the food web list examples of the following:

- Some animals may be used more than once!

| | |
|----------------------------|--|
| Primary Producers | |
| Primary Consumers | |
| Secondary Consumers | |
| Tertiary Consumers | |
| Omnivore | |
| Herbivore | |
| Carnivore | |
| Decomposer | |
| Scavenger | |