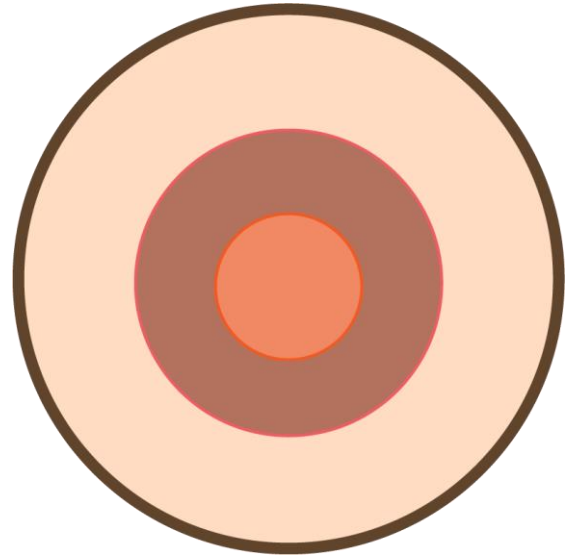


4th Grade Core Tour Student Worksheet

Rock Cycle

On the picture of Earth's layers to the right, add these things:

- Add an arrow showing the **direction that heat moves**.
- Draw a rectangle inside the **mantle**.
- Draw a volcano on the **crust**.
- Draw a star in the **core**.
- Write magma where **magma** would be found.



Label each of these **igneous** rocks as **intrusive** or **extrusive**.



Which kind of rocks can become **sediments**? (circle all right answers)

igneous

sedimentary

metamorphic

What is needed to change an **igneous** or **sedimentary** rock into a **metamorphic** rock?

Which rock below is a **sedimentary** rock?



Sandstone

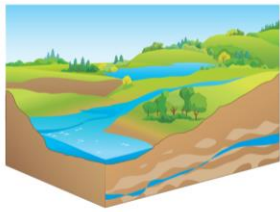


Pumice

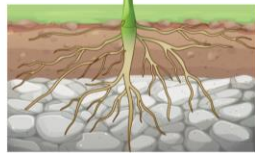


Marble

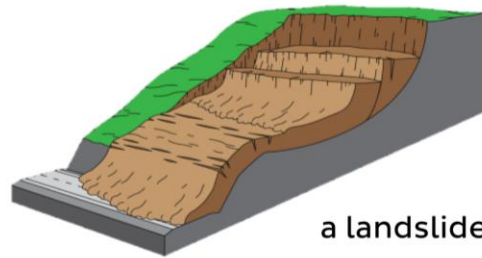
Label each of these scenarios as **weathering** or **erosion**.



a river carving out a valley



plant roots growing in rock cracks



a landslide



water freezing in rock cracks

Florida Resources

Draw a picture of what **limestone** is made of below.

Answer the following questions about the **limestone experiment** video.

1. How would you describe what you just watched?
2. Did you see the little pieces of rock left behind in the glass container? What are those little pieces called?
3. When water carries away little pieces of rock, is that **weathering** or **erosion**?

Is the water in our **aquifers** unlimited? How do we get more?

Name three other resources found in Florida.

Human Story

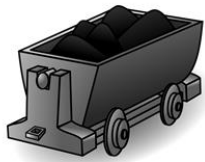
What are five resources you can find in this mural of Florida native peoples?

- 1.
- 2.
- 3.
- 4.
- 5.

You have a forest near your home that everyone uses for wood. In the box, draw the forest after five years of **unsustainable harvest**.



Circle the resources that are **nonrenewable**.



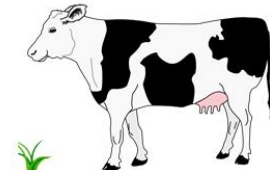
Coal



Sun



Nuclear



Cows



Wind



Water



Trees



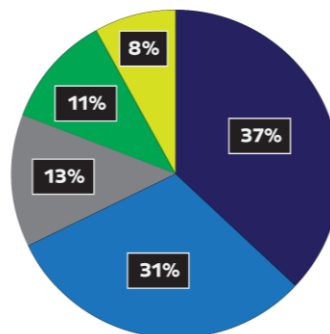
Gas

Use the pie chart to answer these questions:

1. What is the most common source of energy in the U.S.?

2. What percentage of our energy consumption is **renewable**?

United States Energy Consumption



- Nuclear Electric Power
- Renewable Energy
- Coal
- Natural Gas
- Petroleum

Energy in an Ecosystem

What resources do plants need to survive besides sunlight?

What do you consume? Are you a **primary** or **secondary consumer**?

Draw lines to match each item on the left to its energy source on the right.

Match the Energy Source

Secondary Consumer



Primary Consumer



Producer



Decomposer



SOURCES

Explain why a decomposer is important to an ecosystem.