



Online Journal
Teacher Guide

DON'T TRASH THAT TRASH

1. What is the study of the relationship between living things and the environment?
Ecology
2. When you throw your garbage away, where does it go? **Garbage goes to either a dump or a landfill.**

WHAT GOES AROUND COMES AROUND

Are these statements true or false?

1. Tap water might have fallen from the sky as rainwater. **True**
2. Water from the tap has just been created on Earth. **False**
3. The amount of water on Earth changes every day. **False**

INNER SPACE CAVERN

1. **Flowstone** resembles frozen waterfalls projecting from the ceiling, walls, and the floor of the cave.
2. **Stalagmites** grow up from the floor. They are usually formed by dripping water from stalactites above.
3. **Stalactites** grow down from the ceiling. They form as calcite is deposited around the outside of the soda straws after the centers of the soda straws become plugged.
4. **Columns** are formed when a stalactite and a stalagmite grow together from the floor to the ceiling.
5. **Soda straws** are thin hollow tubes that grow from the ceiling of caves as water runs down inside them and deposits rings of calcite at their tips.

LAYERS OF THE EARTH

1. What is the study of the Earth? **Geology**
2. The outer layer of the Earth is the **crust**. It is the rocky "skin" that covers the whole earth. Parts of it can be seen as land. Other parts cannot be seen because they lie under the ocean.
3. The next layer is the **mantle**. It is the thickest layer of Earth. It is so hot in this layer that the rock here is molten.

4. At the center of the Earth is the core. It has two parts. The outer part is thought to be a shell of melted metal. The inner part is thought to be a solid ball of metal. Even though it is very hot in the inner part, the pressure there is so great that it cannot melt.

WACO MAMMOTH NATIONAL MONUMENT

1. What kind of terrain covered Texas during the Ice Age? **Grassland**
2. What was the average temperature in Texas during the Ice Age? **90 degrees**
3. What kind of mammoths were found in Waco? **Columbian Mammoth**
4. In what type of rock were the fossils found? **Sedimentary Rock**
5. What other kinds of bones did they find at the Waco Mammoth National Monument?
Camel and Saber Tooth Cat
6. Were there dinosaurs during the Ice Age? **No**
7. In what era did the Ice Age occur? **Pleistocene**
8. Which mammoth is larger, a Columbian Mammoth or a Woolly Mammoth? **Columbian Mammoth**
9. Mammoths are a matriarchy. What does that mean? **All the herds were led by females.**

GULF COAST

Decide if each of these are living or non-living.

1. Fish. **Living**
2. Coral. **Living**
3. Water. **Non-living**
4. Rocks. **Non-living**

EAST TEXAS PINEY WOODS

1. In what type of habitat does the black bear live? **Woodland**
2. What does the black bear use for shelter? **Trees and Rocky overhangs**
3. Is the black bear a carnivore, herbivore, or omnivore? **Omnivore**
4. What does the black bear eat? **Nuts, Berries, Honeybees, Fish**
5. Do black bears in Texas hibernate? Why or why not? **No. It does not get cold enough.**

BLACKLAND PRAIRIE/POSTOAK SAVANNAH

1. How are native plants, like milkweed, destroyed? **Development in new areas, etc.**
2. How might this affect our state insect? **The Monarch butterfly might migrate to other places instead of Texas or become extinct.**

PRAIRIES AND CROSS TIMBERS

1. Name some of the animals you saw in this part of the zoo. **Jaguar, Bobcat...**
2. What characteristics did these animals have in common? **All species of cats, Carnivores...**
3. What type of prey do these animals eat? **Small mammals such as rodents**
4. Predict what might happen if their food source left this area. **Might go extinct, Might move to a different area, Might change food source...**

EDWARDS PLATEAU

1. What animals did you see in the Brazos at Night Building? **Owls, Bats, Raccoon, Porcupine...**
2. What did all these animals have in common? **They are nocturnal**
3. What does nocturnal mean? **Awake at night and asleep during the day**
4. What characteristics make a bison different than a buffalo? **Bison are found in North America and Europe, while Buffalo are found in Asia. Bison have a large hump on their back, Buffalo do not. Bison have short, sharp horns while Buffalo have long, dull horns. Bison have thick fur and Buffalo have little to no fur.**
5. Name the different items that can be made from the following parts:
 - Horns- **Spoons/Scoops**
 - Hide-**Teepee Walls/Clothing**
 - Teeth- **Ornaments**
 - Hair- **Yarn/Rope**
 - Hooves- **Glue/Rattles**
 - Stomach- **Cooking Vessel**
 - Fat- **Paint base/Soap**
 - Meat- **Food**