

Beginning 32 - Activities

- ✓ **Further Understanding:** Investigation/Reasoning Skills

What would have caused an Ice Age?

There is vast evidence of an ice age that covered much, but not all, of the earth. Changes in the earth's environment after the flood could explain the ice age.

1. The temperature of the whole world would have probably cooled down due to large amounts of volcanic ash in the atmosphere, which would have blocked the rays of the sun.
2. The ocean waters were probably very warm because of the very hot water that came up from the deep and all the volcanic and earthquake activity. The warmer water is the more of it that evaporates into the air.
3. The land would have been much colder than the water and there wouldn't have been much growing on it.
4. The warm, moist air from the ocean hitting the colder air over the land would have caused precipitation (rain or snow). This would have been in the form of snow in the colder parts of the world.
5. Snow collecting on the land would have reflected the sunlight back, making parts of the land even colder compared to the oceans and causing more snow to fall. As the snow accumulated, it would have packed down into ice and formed glaciers.

It appears that snow fell in parts of the world for centuries causing huge glaciers to form. These glaciers covered a large part of the land and their flowing movement made even more changes in the earth's surface. It also limited the areas of the world where many animals could live and would have caused more animal species to die out.

Because the huge glaciers took up a lot of the water that would have been in the oceans, there were probably land bridges in some areas across which people and animals could pass, accounting for both the migration of people and animals to different parts of the world.

6. All these changes in the world affected the ability of many animals to survive after the flood. This could explain why so many species of animals suddenly died out, something that has puzzled scientists.

How would an ice age have affected the dinosaurs that lived after the flood? There wouldn't have been that many of them as only two of each kind would have been on the ark. The ice age would have affected their food supply and the climate would not have been very conducive to their survival.

- ✓ **Activity:** What makes a rainbow?

Sunlight is made up of light waves of different lengths and colors, which we just see blended together as white light. When sunlight passes through raindrops (water vapor) in the air, the light rays bend and separate according to wavelengths. That makes the colors of the

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light waves visible to us. [This can be demonstrated by shining a flashlight through a prism or using a CD to reflect light.]

The top of the rainbow is formed by the rays with the longest wavelength since they bend the least and the shortest waves bend the most. The seven colors of the rainbow in order from the longest wavelength to the shortest are red, orange, yellow, green, blue, indigo, violet. **Note:** Indigo is no longer considered a separate color.

- **Craft:** Rainbow Streamers

As a reminder that God sent a rainbow as a sign that he would never again destroy the earth by a flood, make a rainbow streamer.

Materials: yellow cover stock paper, white paper or colored (red, blue, yellow, green, orange) strips of paper (tissue, crepe, construction, etc.), string, scissors, glue stick.

Preparation: Draw a sunburst on yellow cover stock paper. Cut strips of tissue, crepe or construction paper of the different colors that make up a rainbow.

Instructions: Cut out the sunburst. Glue the strips of paper to the sunburst. Punch a hole at the top and attach a loop of string to hang it from.

- **Game:** Find the colors of the rainbow

As a reminder that God sent a rainbow as a sign that he would never again destroy the earth by a flood, play find the colors of the rainbow.

Instructions: Hide pieces of paper that are the colors in a rainbow. Divide into teams. The first team to find all the colors of the rainbow wins.