



Land and Water

Procedure

- 1. Collaborate** Work with a partner. Sprinkle a large amount of salt on a sheet of black construction paper. Use a rolling pin to grind the salt into the paper. The paper should be covered with white powder. **Safety:** Wear goggles.
- 2. Use Models** Fold the black paper in half, with the salt-covered side facing out. Set the paper in an empty aquarium so it stands up in a tent shape to model a mountain.
- 3. Use Models** Place a pan of hot water in the aquarium next to one side of the “mountain.” Cover the aquarium with a sheet of cardboard.
- 4. Observe** After 10 minutes, remove the cover. Observe each side of the mountain. Record your observations and draw a sketch in the space below.

Name _____ Date _____

Conclusion

Write the answers to the questions below.

1. **Analyze Data** What happened to the salt on each side of the mountain?

2. **Hypothesize** What might have caused the change in the way the salt appeared?

3. **Use Models** If the paper models a mountain, what might the pan of water stand for? Use your observations to describe what the weather conditions might be like in an area similar to your model.

Research Use an atlas or other maps to find places on Earth where the surface features look like your model. Use the Internet and the library to find out what kinds of weather conditions exist in these areas.

Guided Inquiry