

Exploring Different Climates

WHAT YOU NEED

Get information about where you live from local tourist offices for students to see what kind of materials they will be getting, and to later compare with the others.



paper



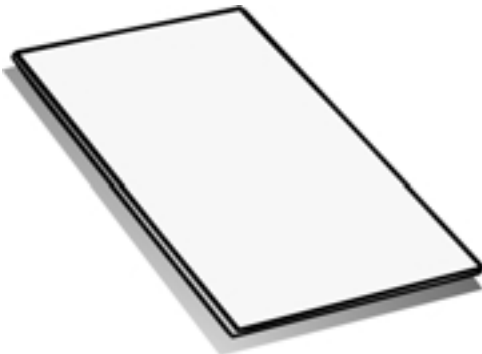
pencil



stamps



envelopes



posterboard



addresses for
tourism offices

Find Out

Do this activity to see what other climates are like.

Process Skills
Communicating
Observing
Classifying

Time

- 30 minutes to write letters
- 30 minutes to make posters

Get pamphlets and brochures from local travel agencies if others aren't received in time.

WHAT TO DO

1. Work in small groups. One group will study an arctic climate. One group will study a desert climate. One group will study a tropical rain forest climate.
2. With your teacher, pick a state or country that has the correct climate.
3. With your group, **write** a letter to the tourism office of the place you are studying. Ask for information about the area.

4. Have your teacher mail the letters.
5. **Look** at the mail you get back.
6. Put the photos in **groups**.
7. **Write** the name of your climate on the posterboard.
8. Glue the photos onto the posterboard.



○

Dear _____,

○

○

Sincerely,

Student letters will vary.

Conclusions

1. What kinds of things do people do in the climate you studied?

Answers will vary based on the information received.

2. What does the land look like in the climate you studied?

Answers will vary based on the information received.

New Questions

1. What do you think the weather is like today in the place you studied?

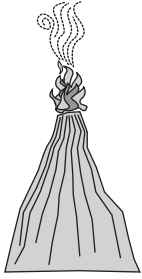
Answers should reflect the typical climate of the area the students studied.

2. Write a question you still have about climates.

Accept all reasonable questions.



Name _____



ACTIVITY

Hot and Dry

Predict how the sand will feel.



Answers will vary. Accept all reasonable answers.

Predict how the soil will feel.



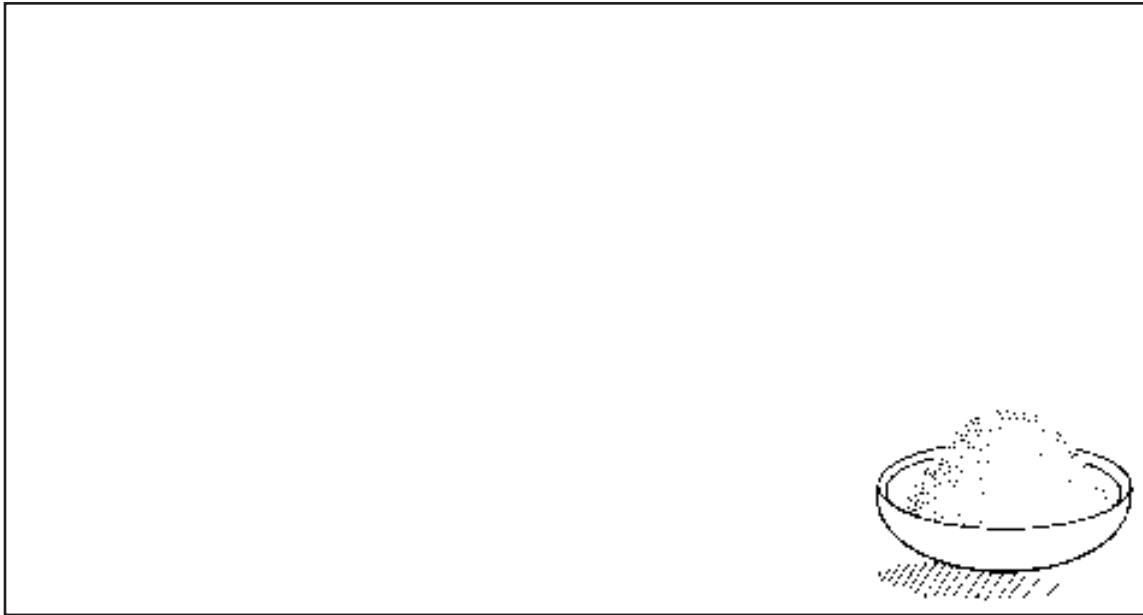
Answers will vary. Accept all reasonable answers.

Activity Journal

Lesson 1 • The Desert

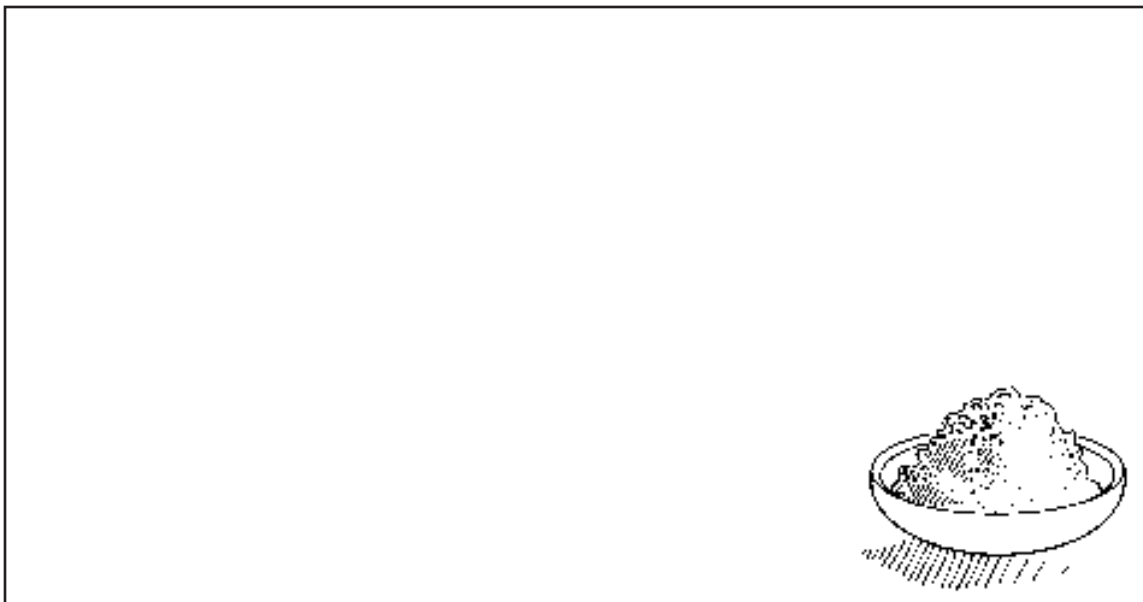
Name _____

What does the sand feel like now?



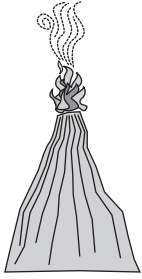
Answers will vary, but the sand should be dry or nearly dry.

What does the soil feel like now?



Answers will vary, but the soil should still feel wet or wetter than the sand.


Name _____



ACTIVITY

Water from Plants

Predict what will happen in the bag.



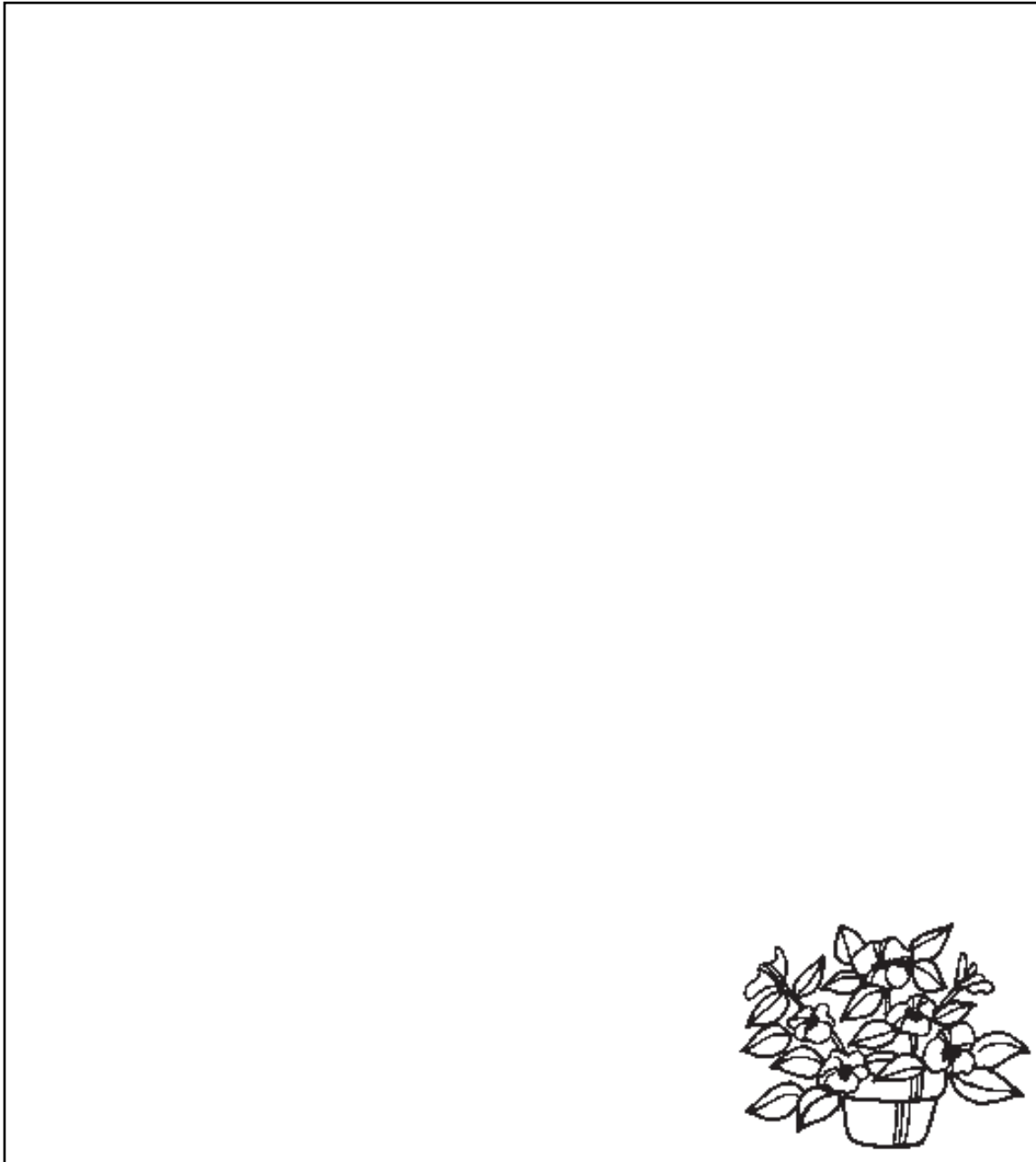
Answers will vary. Accept all reasonable answers.

Activity Journal

Lesson 2 • The Tropical Rain Forest

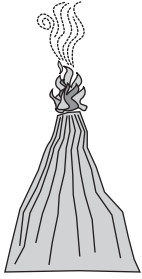
Name _____

Draw what you see.



Drawings will vary but should show that water drops have formed inside.

Name _____



ACTIVITY

Freezing Earth

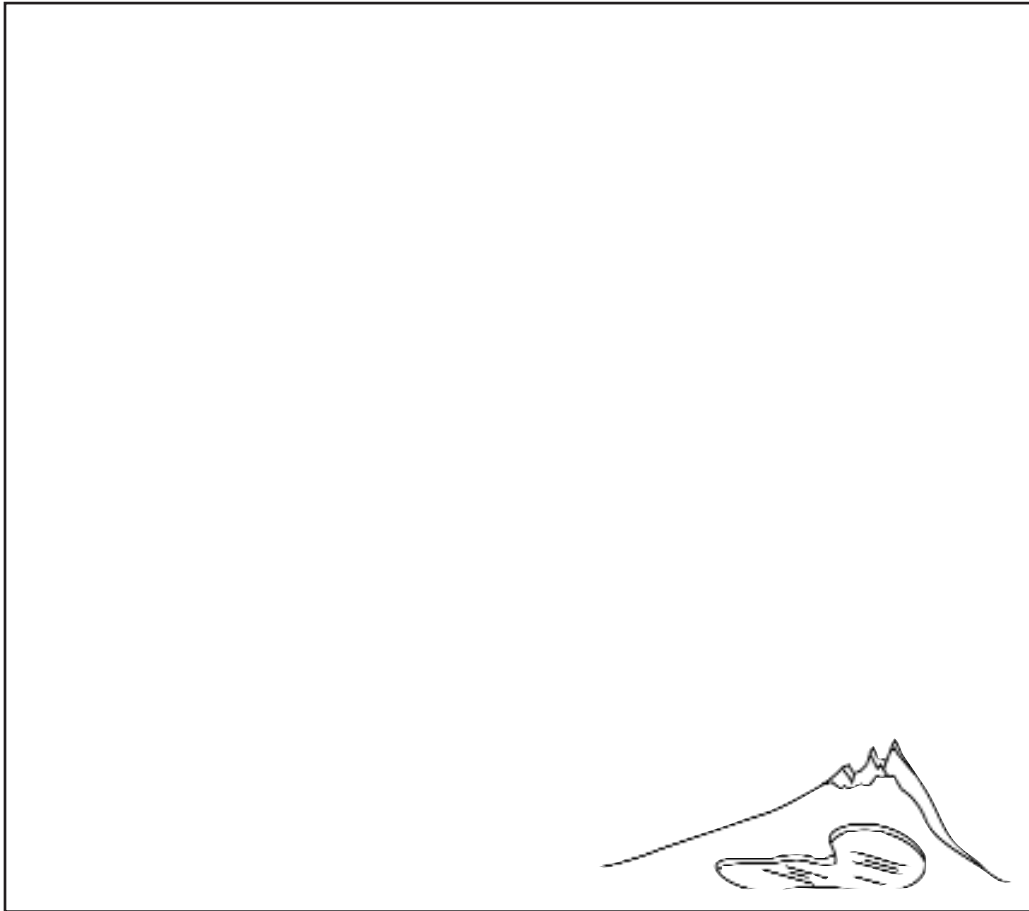
Predict what will happen.

A large, empty rectangular box with a thin black border, intended for the student to write their prediction. In the bottom right corner of this box, there is a small line drawing of a mountain range with a lake or river in the foreground.

Answers will vary. Accept all reasonable answers.

Name _____

Draw what you **see**.



Drawings will vary, but should indicate that the water froze, making the soil, rocks, and water into one mass.

Did the water change?

Yes **No**

Yes, the liquid water freezes and changes to ice.

Did the soil change?

Yes **No**

Yes, the wet soil is hardened. Ice holds it together.

Did the rocks change?

Yes **No**

Answers may vary. Rocks do not change, but the frozen soil may stick to them.