

## Objective 1

### Now It's Your Turn

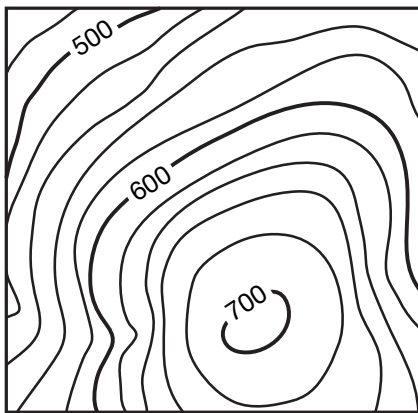
After you answer the practice questions, you can check your answers to see how you did. If you chose a wrong answer to a question, carefully read the answer explanation to find out why your answer is incorrect. Then read the explanation for the correct answer.

#### Question 1

##### Topographic Map

Contour interval: 20 meters

Scale: 1 cm = 1 km



What is the major landform shown on the topographic map above?

- A River
- B Hill
- C Plain
- D Lake



Answer Key: page 139

#### Question 2



The closed terrarium shown above models a plant growing in an ecosystem. The plant cannot survive in the terrarium over a long period of time. Which of the following most limits the growth of the plant?

- A Decrease in carbon dioxide
- B Decrease in oxygen
- C Evaporation of water
- D Lack of sunlight



Answer Key: page 139

Question 3

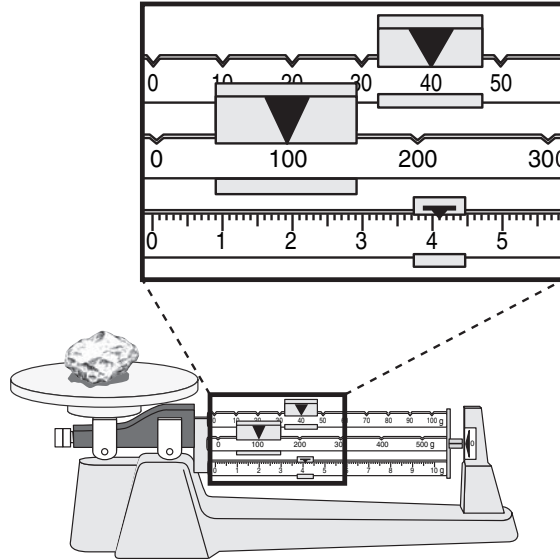


The student shown above is digging to collect a soil sample. Which of the following is the least important safety practice for this activity?

- A Wearing goggles
- B Wearing close-toed shoes
- C Knowing where the shovel is kept
- D Removing jewelry

 Answer Key: page 139

Question 4



The diagram above shows a close-up view of a triple-beam balance that is being used to measure the mass of a rock. What is the mass of the rock in grams according to the diagram? Record and bubble in your answer to the tenths place below.

				.		
0	0	0	0		0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9

 Answer Key: page 139

Question 5

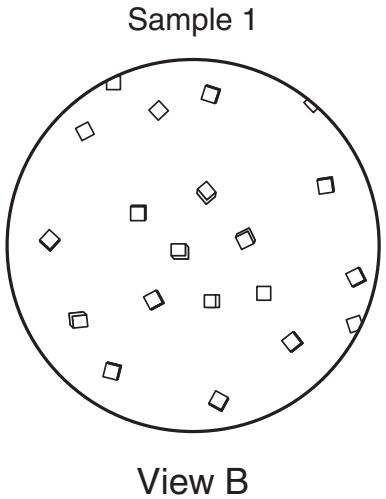
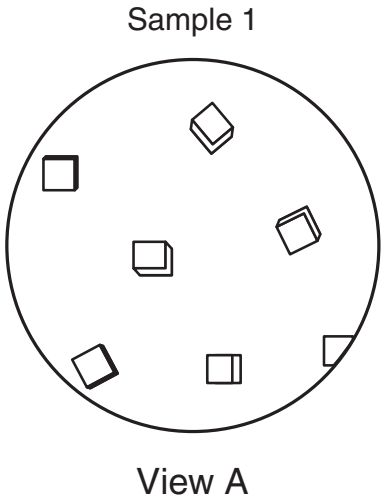


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The planet Jupiter has dark-colored bands and large spots in its outer atmosphere that constantly change. Which of the following tools would be most useful in observing Jupiter's bands and spots from Earth?

- A Telescope
- B Microscope
- C Hand lens
- D Computer probe

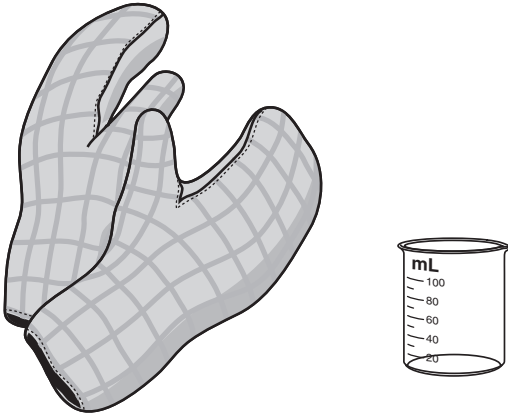
Question 6



The two images above are views of the same sample of salt grains under a microscope. Which action would most likely cause the difference in the size of the individual salt grains as seen in the two views?


- A Switching the objective lens
- B Adjusting the diaphragm
- C Turning the fine adjustment knob
- D Changing the angle of the light source

Question 7



Which of the following activities would most likely require the equipment shown above?


- A Catching fish in an aquarium
- B Heating a mixture of two liquids
- C Measuring outdoor temperatures
- D Finding the mass of a rock sample

 Answer Key: page 140

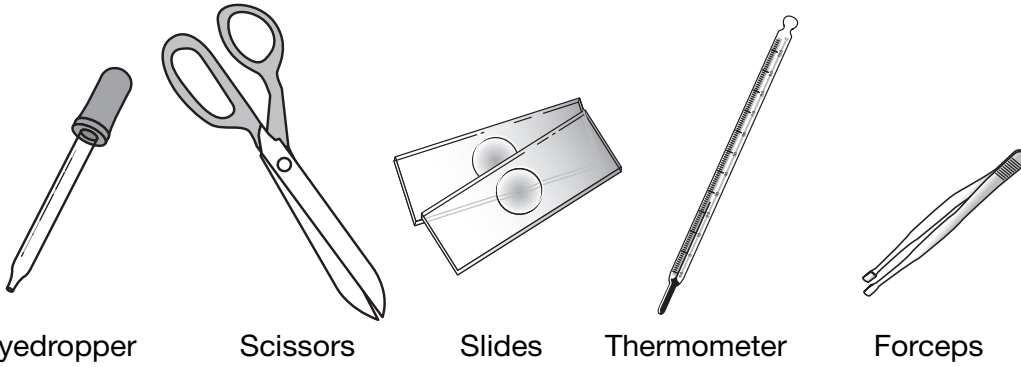
Question 8

A microscope would be the best tool for gathering data in which of the following activities?

- A Observing the structure of onion cells
- B Measuring the size and shape of craters on Mars
- C Observing the color change of two mixed liquids
- D Measuring the heat reflected by a sheet of aluminum foil

 Answer Key: page 140

## Question 9

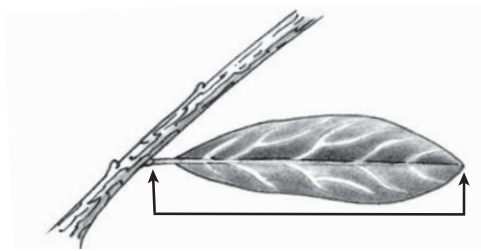


Which of the following sets of equipment would be most useful when examining a sample of pond water with a microscope?

- A Slides and forceps
- B Eyedropper and slides
- C Eyedropper and scissors
- D Scissors and thermometer


 Answer Key: page 140

## Question 10



When compared to a leaf that is 32 mm long, how much longer is the leaf shown above?

- A 3 mm
- B 10 mm
- C 42 mm
- D 74 mm

 Answer Key: page 140