Maps as Models of the Earth

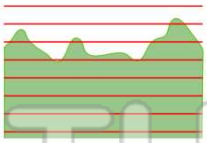
Earth Sci

Name _____ Class _____ Date _____

1 Geologists regularly use **topographic maps** in their work. Topographic maps show the **topography** of the mapped area. Topography refers to _____.

A only structures constructed by humans
B only natural features on the earth's surface
C only mountains and mountain lakes
D all natural and constructed features on the earth's surface

2 In the picture below, you can see the difference in elevation for a series of mountains and valleys. The **differences in altitude, landforms,** and the **overall form of the land** is called _____.



A a map projection
B a contour interval
C topography
D strike and dip

3 Geologists use a number of different types of maps to do their work. Below is a map with a number of **lines** that indicate **different elevations**. This type of map is called a _____.

A road map
B topographic map

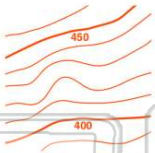
4 By definition, topography is the difference in the altitude between the high and low parts of a land surface and overall form of the land. Below is a picture of Mt. St. Helens, a volcanic mountain in Washington State. The **difference in altitude** from the base of the volcano to its top is called _____.

A relief

5

7

between each line.



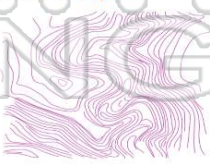
A 5 feet
B 10 feet
C 50 feet
D 100 feet

B hilly
C sloping
D very steep

9 Consider the topography in the top left corner of this picture. Notice that the contour lines are far away from each other. How would you describe the topography represented in the top left corner of this map?

A relatively flat
B hilly
C sloping
D very steep

10 **Contour lines** connect points of **equal elevation** on a map. As a result, contour lines _____.



A always form circles
B are always close together
C intersect occasionally
D never intersect

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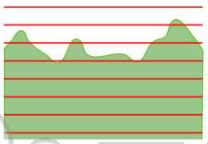
ANSWER KEY

Geologists regularly use **topographic maps** in their work. Topographic maps show the **topography** of the mapped area. Topography refers to _____.

A only structures constructed by humans
B only natural features on the earth's surface
C only mountains and mountain lakes
D all natural and constructed features on the earth's surface

d

In the picture below, you can see the difference in elevation for a series of mountains and valleys. The **differences in altitude, landforms,** and the **overall form of the land** is called _____.



A a map projection
B a contour interval
C topography
D strike and dip

c

Geologists use a number of different types of maps to do their work. Below is a map with a number of **lines** that indicate **different elevations**. This type of map is called a _____.

A road map
B topographic map
C Mercator projection

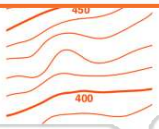
b

By definition, topography is the difference in the altitude between the high and low parts of a land surface and overall form of the land. Below is a picture of Mt. St. Helens, a volcanic mountain in Washington State. The **difference in altitude** from the base of the volcano to its top is called _____.

A relief
B volume
C projection

a

A 5 feet
B 10 feet
C 50 feet
D 100 feet



C sloping
D very steep

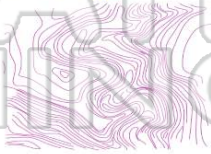
Consider the topography in the top left corner of this picture. Notice that the contour lines are far away from each other. How would you describe the topography represented in the top left corner of this map?

A relatively flat
B hilly
C sloping
D very steep

a

Contour lines connect points of **equal elevation** on a map.

As a result, contour lines _____.



A always form circles
B are always close together
C intersect occasionally
D never intersect

d