**Investigation 4A: Solar Radiation**

1.

a. period of sunlight

b. path of the Sun across the sky

2.

a. length of Sun’s path

b. Sun’s maximum altitude

c. both of these

3.

a. maximum solar altitude

b. daily length of daylight

c. both of these

4.

a. June and December

b. March and September/October

5.

a. solstices

b. equinoxes

6.

a. 0

b. 12

c. 24

7.

a. 0

b. 3

c. 6

d. 9

e. 12

8.

a. 25%

b. 50%

c. 75%

d. 100%

9.

a. polar

b. mid-latitude

c. equatorial

10.

a. polar

b. mid-latitude

c. equatorial

11.

a. polar

b. mid-latitude

c. equatorial

12.

a. 4.1

b. 6.1

c. 8.1

13.

a. 26%

b. 41%

c. 76%

14.

a. 4.1

b. 5.1

c. 8.1

15.

a. 37%

b. 53%

c. 76%

16.

a. 4.1

b. 5.1

c. 6.2

17.

a. 2.1

b. 4.1

c. 5.6

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