**Investigation 10B: Measuring Climate Change, Forcing Agents, and Scenarios**

1.

a. 7%

b. 23%

c. 30%

d. 47%

2.

a. 6.7

b. 22.9

c. 47.2

d. 70.1

3.

a. is much less than

b. equals

c. is much greater than

4.

a. stratospheric water vapor

b. surface albedo

c. solar irradiance

5.

a. they cannot cause global-scale temperature changes

b. the global temperature changes they can cause are typically observable only for a year or two

6.

a. albedo changes due to land use

b. carbon dioxide

c. other aerosol effects

7.

a. 0.6

b. 1.0

c. 1.6

d. 2.3

8.

a. the same as

b. warmer than

c. cooler than

9.

a. RFC1 Unique and threatened systems

b. RFC2 Extreme weather events

c. RFC3 Distribution of impacts

d. RFC4 Global aggregate impacts

e. RFC5 Large scale singular events

10.

a. undetectable

b. moderate

c. high

d. very high

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