

Physical Geography- Pre and Post Test
2004

Course Learning Objectives

1. *Become familiarized with the tools used to view, interpret processes, and recognize change occurring in our physical geographic environment.*
2. *Develop an understanding of earth's physical landforms, and the processes controlling variations in weather and climate, soils, and plant communities around the world.*
3. *Provide a foundation upon which to build a better understanding of the human interrelationships with the physical environment.*

Content Assessment Questions (objective being assessed in bold numbering)

1) Lines of equal pressure on a map are called (**Objective 1**):

- a. Contours b. Isotherms c. Isotachs **d. Isobars**

% Correct Pre-Test	% Correct Post-Test	% Change
45.4%	76.78%	31.4%

2) In the northern hemisphere the wind circulation (near the ground) in a low is (**2**):

- a. **Counterclockwise, spiraling inward** d. Clockwise, spiraling inward and outward
 b. Clockwise, spiraling inward
 c. Clockwise, spiraling outward e. Counterclockwise, spiraling outward

% Correct Pre-Test	% Correct Post-Test	% Change
26.9%	38.8%	11.9%

3) The warm ocean current that is most influential on the United States is called the (**2 and 3**):

- a) Alaska current **b. Gulf Stream current** c. California current d. New England Current

% Correct Pre-Test	% Correct Post-Test	% Change
79.2%	86.8%	7.6%

4) In the early morning hours a person standing on a beach facing the water would feel (**2 and 3**):

- a. breeze blowing from the land behind them towards the water.
 b. breeze blowing at their side perpendicular to the water.
c. breeze blowing toward them from the water.
 d. No breeze.

% Correct Pre-Test	% Correct Post-Test	% Change
26.9%	35%	8.1%

5) The eye of a hurricane is normally characterized as having **(2)**:

- a. Low pressure b. Clear skies c. Strong winds **d. Both a and b.**

% Correct Pre-Test	% Correct Post-Test	% Change
76.9%	73.5%	-3.4%

6). On a warm sunny day, the air in or over which of the following sites is likely to have the lowest relative humidity **(2 and 3)**?

- a. A densely shaded forest **c. An asphalt surface in the sun**
b. A grassy field in the sun d. An asphalt surface in the shade

% Correct Pre-Test	% Correct Post-Test	% Change
18.5%	36.9%	18.4%

7). Which of the following gases accounts for about 78 percent of the atmosphere's mass **(2)**?

- a. Water vapor c. Ozone e. Oxygen
b. Nitrogen d. Carbon dioxide

% Correct Pre-Test	% Correct Post-Test	% Change
41.5%	58.8%	17.3%

8) Disintegration of rocks is best associated with **(2)**:

- a. biological weathering. b. chemical weathering.
c. physical weathering. d. abrasive weathering.

% Correct Pre-Test	% Correct Post-Test	% Change
50%	57.5%	7.5%

9) Stream discharge refers to the amount of water flowing past a point in a given amount of time. What channel properties are used to determine discharge at any given time **(2 and 3)**?

- a. gradient and discharge.
b. gradient and sediment load.
c. channel cross-sectional area and gradient.
d. channel cross-sectional area and velocity.

% Correct Pre-Test	% Correct Post-Test	% Change
27.7%	59.6%	31.9%

10) The broken up layer of rock material resting on top of bedrock that originated by breakdown in place (residuum) or by transport by water, ice, or wind is called **(2)**:

- a. soil
b. pedisegment

- c. colluvial aprons
- d. regolith**

% Correct Pre-Test	% Correct Post-Test	% Change
11.5%	76.6%	65.1%

11). In glaciated mountains, the characteristic valley form is **(2)**:

- a. U-shaped.**
- b. V-shaped.
- c. chattermarked.

% Correct Pre-Test	% Correct Post-Test	% Change
45.4%	68.5%	23.1%

12) Another, more popular, name for an ice-block depression is **(2)**:

- a. kettle.**
- b. knob.
- c. kame
- d. karst

% Correct Pre-Test	% Correct Post-Test	% Change
66.2%	61.8%	-4.4%

13) A rock body that is permeable to water in usable amounts is a(n) **(2 and 3)**:

- a. aquiclude.
- b. aquifer.**
- c. aquitard.
- d. water table.

% Correct Pre-Test	% Correct Post-Test	% Change
60.8%	83.4%	22.6%

14) The vegetation characteristic of southern California is largely **(2 and 3)**:

- a. broadleaf evergreen.
- b. sclerophyllus.**
- c. volcanic adapted.
- d. needleleaf evergreen.

% Correct Pre-Test	% Correct Post-Test	% Change
31.5%	19.5%	-12%

15) Deciduousness in woody plants is an advantage in climates with **(2)**:

- a. continuous rainfall.
- b. seasonal stress (i.e., dry, cold) for plants.**
- c. conditions favoring frequent fires.
- d. short, mild winters.

% Correct Pre-Test	% Correct Post-Test	% Change
46.2%	64.9%	18.7%