

GLOSSARY

PRECIPITATION = Any discharge in the atmosphere including rain, snow, hail, or fog.

HYDROLOGIC CYCLE = The system driven by Solar Energy of water circulation from ocean to atmosphere and back to oceans either directly or via the lands.

RUNOFF = Water that flows over the lands.

HYDROLOGIST = A scientist who studies water and its source.

SALINE LAKE = A salt lake such as the Great Salt Lake in Utah.

GROUND WATER = The water beneath the Earth's solid surface contained within pore spaces in the bedrock.

WATER TABLE = The upper surface of the zone of saturation.

AQUIFER = A body of permeable rock through which ground water moves.

ICE CAP = A small ice sheet.

GLACIER = A body of ice consisting mainly of recrystallized snow, flowing on a land surface.

ALPINE GLACIER = A mountain glacier.

CONTINENTAL GLACIER = A large ice sheet which moves over a large land mass.

QUIZ

1) After the oceans, the largest single source of water in the world is:

- A) Alpine Glaciers
- B) Great Salt Lake
- C) Greenland Ice Cap
- D) The Antarctic Ice Cap

2) What percentage of all the water in the world is contained in the ocean:

- A) 10%
- B) 50%
- C) 65%
- D) 97%

3) Of all the water in the world what percentage is fresh water:

- A) 25%
- B) 10%
- C) 1%
- D) 12%

4) The reason that rivers may still flow even during a drought is:

- A) Underground water
- B) Precipitation
- C) Ocean runoff
- D) Because rock holds the water

5) The amount of water held underground to a depth of 1/2 mile is probably:

- A) Equal to
- B) Less than
- C) More than 3,000 times greater
- D) More than 10,000 times greater

than all rivers at any one time.

6) The primary source of most precipitation in the world is:

- A) Rivers
- B) Underground Water
- C) Oceans
- D) Atmosphere

7) The largest saline lake in the world is:

- A) Lake Superior
- B) The Caspian Sea
- C) The Indian Ocean
- D) The Great Salt Lake in Utah

8) The amount of water locked underground is

- A) more than B
- B) less than C

equal to all the river water of the world.

9) What of the following is not a source of water of the world:

- A) Ground Water
- B) Soil moisture
- C) Glaciers and Ice Caps
- D) Asteroids

10) The United State's average annual precipitation is:

- A) 10 inches
- B) 2 inches
- C) 30 inches
- D) 80 inches

11) The primary source of water in the atmosphere is:

- A) Volcanoes
- B) The Ocean
- C) Underground water
- D) Ice Caps

12) If all the water in the atmosphere were precipitated, would it leave a layer:

- A) one inch deep
- B) one foot deep
- C) one yard deep
- D) one mile deep

TEACHER'S ACTIVITIES:

- 1) Using a map of The U.S. point out the major river system such as the Mississippi River, Missouri River, the Columbia and the Eastern river system.
- 2) Review the Hydrologic Cycle. Explain how water moves from the ocean to the atmosphere and then to the land and eventually back to the sea.
- 3) The water of the world is not found only in its' oceans. Make a list of other sources. Make sure to include:
 - A) Rivers and Streams
 - B) The Atmosphere
 - C) Glaciers and Ice Caps
 - D) Soil moisture
 - E) Underground water
 - F) Fresh and Saline lakes
- 4) Discuss why it is so important not to pollute any water source because water is a key ingredient to life itself.

QUIZ ANSWERS

- 1) D
- 2) C
- 3) A
- 4) A
- 5) C
- 6) C
- 7) B
- 8) A
- 9) D
- 10) C
- 11) B
- 12) A

Physical Geography II Series

WATERS OF THE WORLD

KG1169VD

PROGRAM DESCRIPTION

Most people know that water is unevenly distributed over the Earth's surface in oceans, rivers and lakes, but few realize how very uneven the distribution actually is. The World's oceans - 139 million square miles - contain 317 million cubic miles of Saltwater.

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