

Name: _____
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Conceptual Physics: _____
Date: _____

Unit XI
Meteorology
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XI

Clouds and Precipitation

Objective: To understand how ocean water evaporates, forms clouds and becomes rain.

How Do Clouds Form?

The Hydrologic Cycle:

Dew and Frost: (They are not _____
(Like a sweaty can of _____))

Fog: _____

Precipitation: _____

Types of Precipitation

a. _____ d. _____
b. _____ e. _____
c. _____ f. _____

Drizzle: _____

Rain: _____

Freezing Rain: _____

Snow: _____

Sleet: _____

Hail: _____

Precipitation Chart:

Questions: Answer each question using the information from lecture.

1. Ocean water evaporates and rises into the upper atmosphere. As the moisture rises both temperature and _____ decrease.
2. The hydrologic cycle is called a cycle because it repeats the following steps:
Evaporation -----> _____ ----->precipitation ----> _____
3. Dew and frost are the consequence of nocturnal radiational cooling. What causes the nocturnal radiational cooling? _____
4. Fog is not precipitation. Fog is actually _____.
5. How many types of precipitation are there? _____ How is drizzle different from rain?

6. Rain originally starts out as _____. It melts as it falls.
7. What are the three forms of sleet as it falls from a cloud?
a. _____ b. _____ c. _____
8. What causes hail? _____