

Topic: Atmospheric Variables

1.

Temperature

As temperature increases,
rate of evaporation
increases.

2.

Wind

As wind increases,
rate of evaporation
increases.

Aim:

What factors affect rate of evaporation of water?

Evaporation: phase change in which a liquid turns into a gas (water vapor)

Evaporation is a cooling process – it removes heat from the evaporation surface

3.

Humidity

As humidity increases,
rate of evaporation
decreases

because there is less room in atmosphere
for the water vapor to go

4.

Surface Area

As surface area of a body
of water increases,
rate of evaporation
increases.