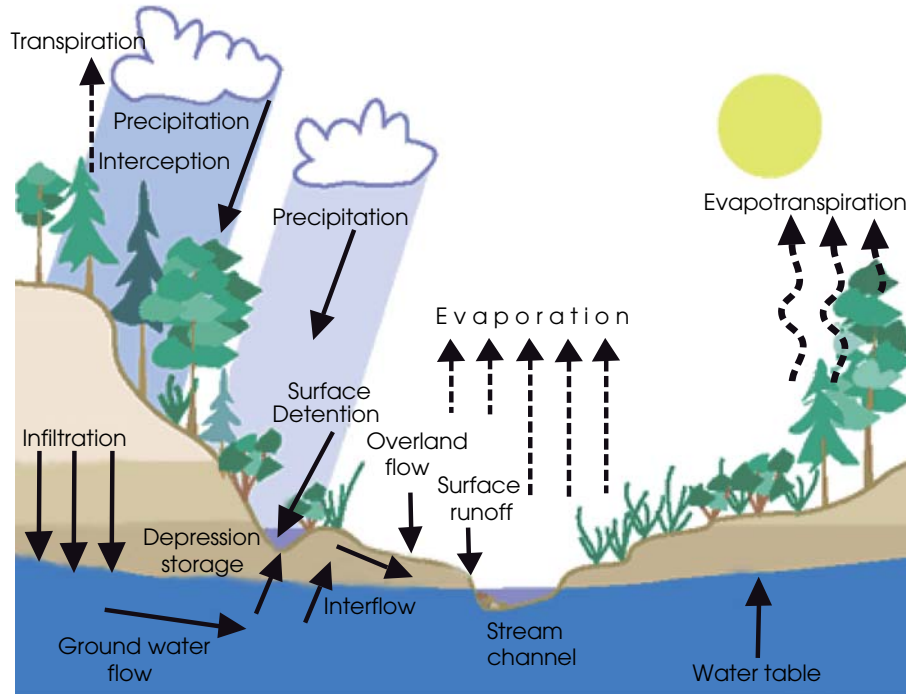
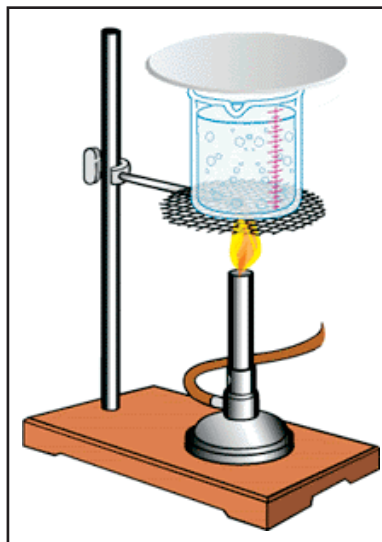


Phase Changes



Evaporation as water leaves ocean, Condensation as water forms clouds, Freezing as water goes from clouds to snow, and Melting as water goes from snow-capped mountains to run off.



Boiling

Mass and Weight On the Earth and the Moon

Mass equals
54 kilograms



Weight = 120 pounds

Mass equals
54 kilograms



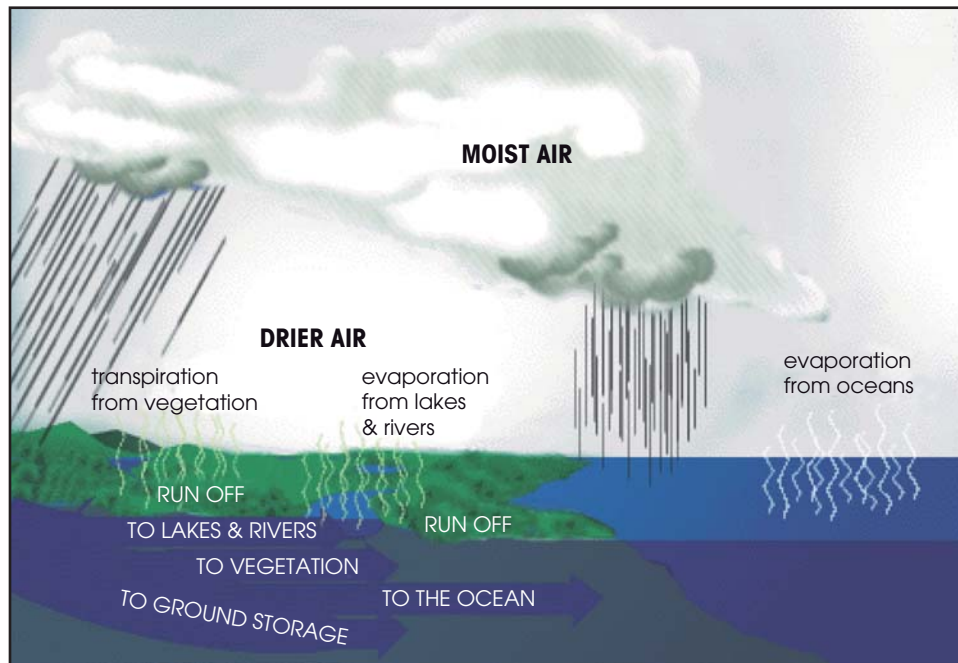
Weight = 20 pounds

Chemical Changes and Physical Changes

Chemical: Forest fire burning

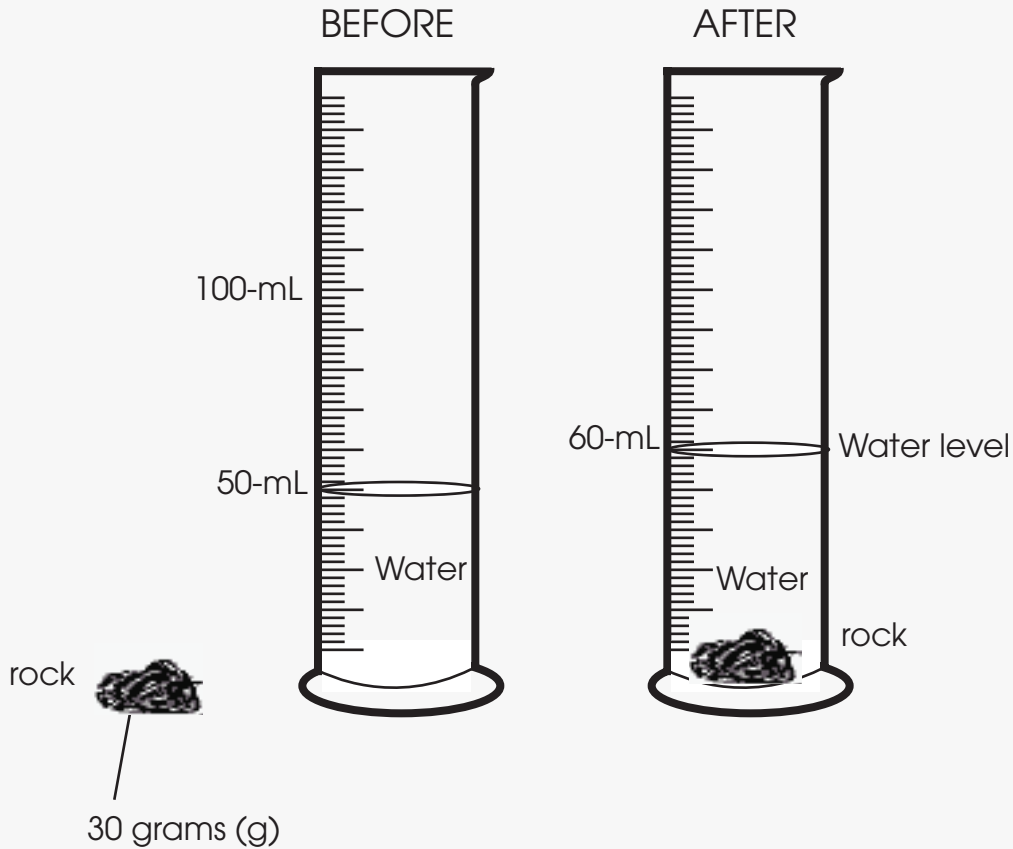


Physical: Water evaporating from oceans



Finding Density

This is the **displaced liquid** method of finding density.

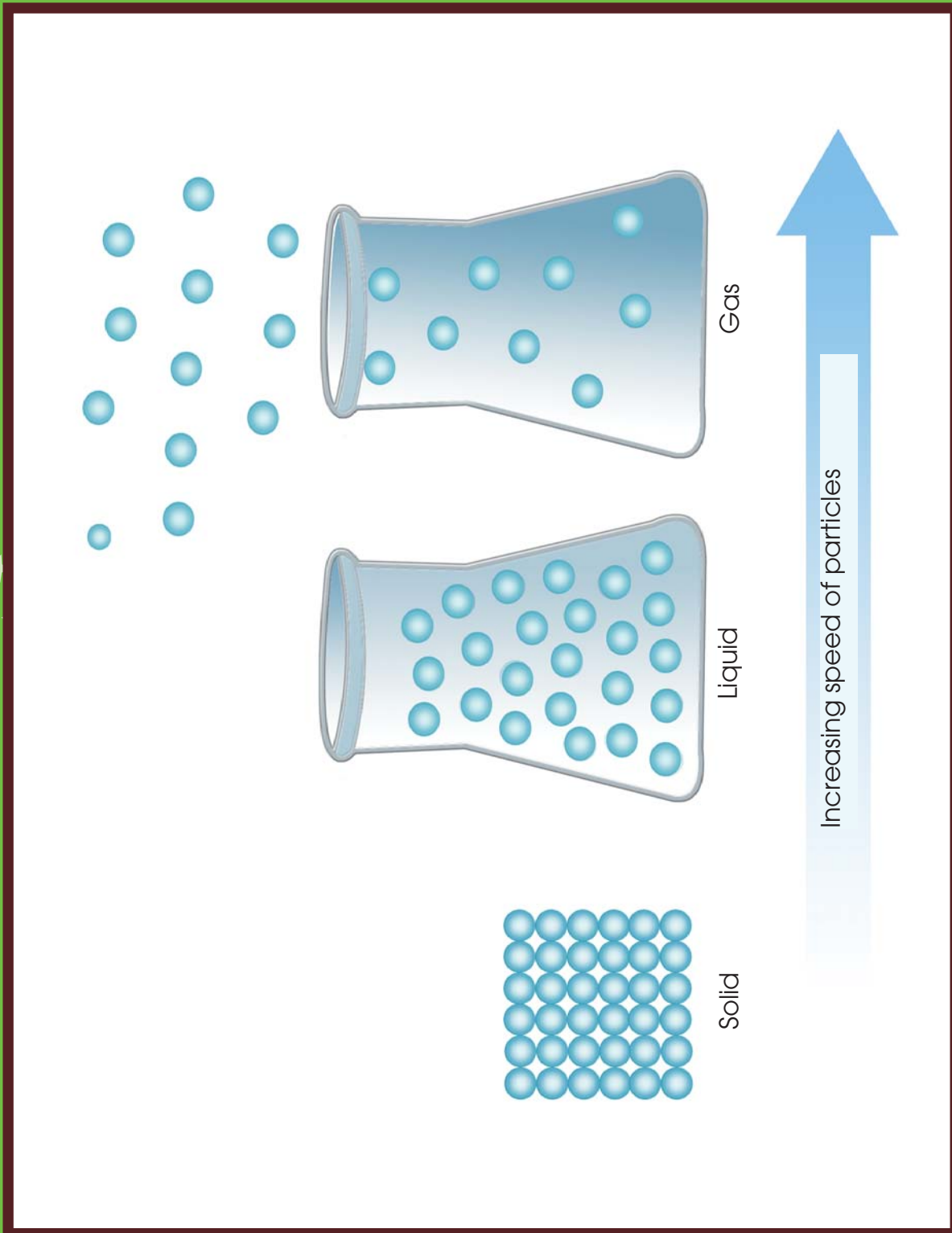


Mass of rock = 30 grams.

Volume of rock = 60 milliliter (mL) - 50 mL = 10 mL.

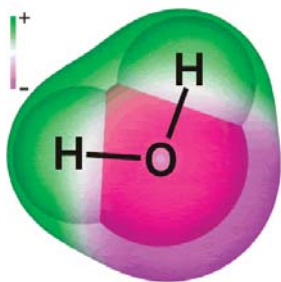
Density of rock = 30 g/10 mL = 3.0 g/mL

Particles In Solids, Liquids and Gases

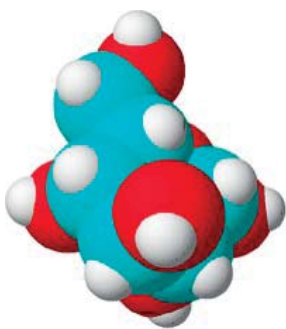


Particles In Two Kinds of Mixtures

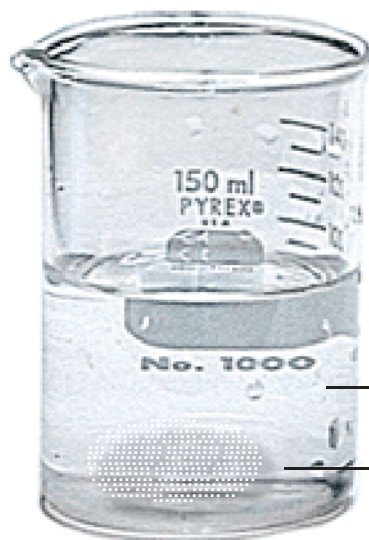
Sugar particles in solution



Water molecule



Sugar molecule



— water particles

— sugar particles



Sand grain



Sugar grain