



# Monday, Oct 1, 2018

Pick up: latitude & longitude ISN pg 41

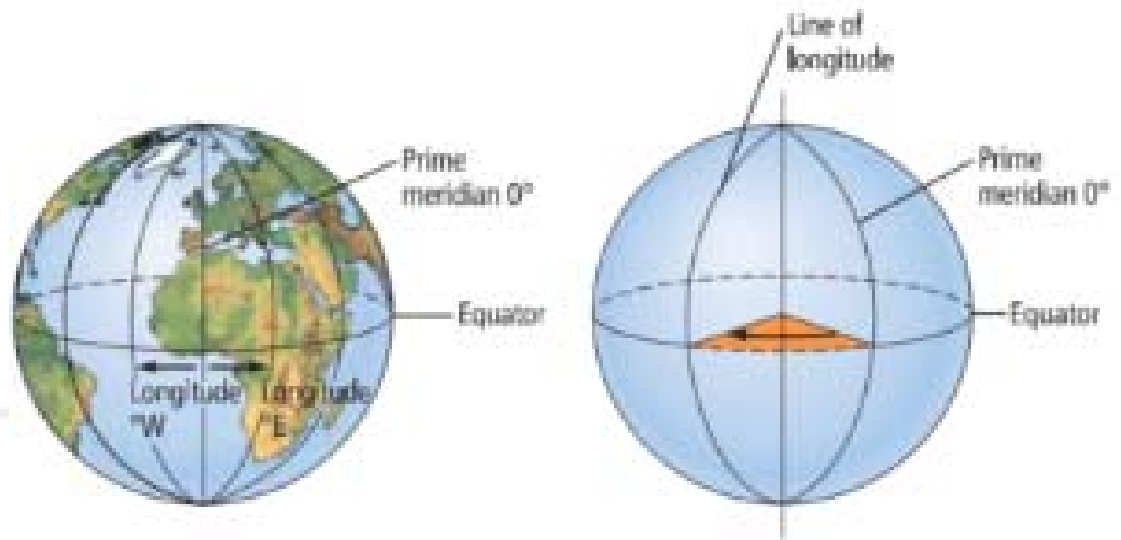
Cornell notes ISN pg 45

Today you will:

- Label the globe diagram with the correct words
- Describe and understand how the different spheres interact in Earth's systems

HOMEWORK:

Make sure your webquest from Friday and Cornell Notes are complete. Quiz Monday, 10/8



■ **Figure 3** The precise location of Charlotte, North Carolina is 35°14'N, 80°50'W. Note that latitude comes first in reference to the coordinates of a particular location

# The Earth as a System

## Earth's Spheres



# What is a System?

A system is an organized group of objects or components interacting as a whole.

- What are systems you know?

# The Earth System

- The Earth system is made up of many systems with matter and energy interacting.
- Matter – anything that has mass and takes up space
- Energy – light, heat, vibrations, or electromagnetic waves

# What is the difference between an open and closed system?

- Open system – matter and energy are exchanged with the surroundings. Examples are an open jar, a lake, most systems on Earth
- Closed system – energy can be exchanged with surroundings, but matter cannot. Examples are a closed jar and MOSTLY the Earth System

