Homework Answers for 1.1 and 1.2

1. Organized group of parts that work together to form a whole; closed system: energy but not matter can enter or leave; open system: matter and energy can enter or leave
2. Atmosphere: complex weather patterns; hydrosphere: layers of cold and warm water; biosphere: yearly changes in plant and animal life; geosphere: features above and below Earth’s surface
3. Storms in the atmosphere can change Earth’s coastlines; animals can wear paths in Earth’s surface (you can have many other answers of your own!)
4. Natural: mountains, rivers; human-made: bridges, roads
5. The exact location of any place can be expressed as a number of degrees north or south of the equator (latitude) and a number of degrees east or west of the prime meridian (longitude)
6. Earth is a sphere. It is impossible to portray a curved surface as flat without some distortion.