**Unit 3 Study Guide**

**Section 1: Atmosphere and air pressure**

Atmosphere= mixture of \_\_\_\_\_\_\_\_\_\_\_.

**Purposes of our atmosphere:**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (oxygen)
* Protects us from harmful \_\_\_\_\_\_\_\_\_\_\_rays

(ultraviolet and gamma)

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (traps heat)
* Water/water vapor
* Protects us from most \_\_\_\_\_\_\_\_\_\_\_\_\_\_ from space

**What gases makes up DRY air?**

1. Nitrogen- \_\_\_\_%: the most common atmospheric gas (used to make \_\_\_\_\_\_\_\_\_\_\_\_)
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_- 21% (made by photosynthesis of phytoplankton and plants)
	* Cellular respiration
	* \_\_\_\_\_\_\_\_\_\_\_\_\_ (rust ; tarnish)
	* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (burning)
3. Other gases-1%: argon, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

and other gases

**Air also contains:**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (smog, etc)
* Natural \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: dust, volcanic \_\_\_\_\_\_, sea salts, dirt, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, smoke from forest fire
* Water \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (gas) (humidity)—amount varies (0--\_\_\_\_%)
* Liquid water (clouds and \_\_\_\_\_\_\_\_\_\_\_)
* Solid water (ice and \_\_\_\_\_\_\_\_\_\_\_\_\_)

**Air Pressure—see visual organizer…**

Give the circle graph below a title, then label the 3 sections

