* **FOLD ALONG DASHED LINES**
* **WHEN YOU ARE DONE, PUT GLUE IN IS INSTRUCTION AREA AND PASE IN JOURNAL ON THE PAGE OPPOSITE “INNER PLANETS”**

**INNER PLANETS**

* Temp Range: Max: 600C Min: -900C
* Goldilocks Zone (just right for life)
* Only Planet with liquid water
* Most dense planet! (5.5 x water)
* Rot: 1 day Rev: 365 days (1 year)
* 1 moon (Luna)
* Atmosphere- mixture of gases and water vapor
* Surface is warm enough for life
* Surface: broken into tectonic plates
* Crust- mostly Silicon(Si)& Oxygen(O)
* Known as the Red Planet
* Rocky surface covered in Iron oxide dust
* Prone to dusty wind storms (62 mph)
* Temp range: Max 200C Min -1250C
* Most like Earth with seasons, polar ice caps
* Only Planet geographic features see from Earth with telescope
* Once had rotating core, plate tectonics and active volcanoes
* Evidence water once flowed
* CO2 ice caps at both poles
* Frozen water discovered in North Pole
* Rot 24.5 hours Rev 687 days
* Experiences seasons like Earth
* Atmosphere mainly CO2
* Very weak gravity, 2 Moons
* Planet closest to the sun
* Temp Min: -1700C Max: 4500C
* Rot- 59 days Rev-88 days
* Has unusual orbit- it goes really close to really far from sun
* Extremely dense (5.4 x water)
* Highly cratered, rocky surface, solid lava, high cliffs
* Made up of Iron & Nickel
* Has almost no atmosphere; heated so much by sun it escapes
* Very weak gravity
* Temp- 4600C surface to -460C atmosphere
* Often called Evening Star- very bright
* Rot- 243 days Rev-225 days
* Has Retrograde Rotation (East to West)
* Exhibits phase changes like our moon
* Very dense (5.2 x water)
* Rocky, dusty, waterless with mountains, canyons, plains and hardened lava flows
* Constant cloud cover
* Atmospheric pressure=90X greater than E
* 97% CO2, with dense clouds of sulfuric acid
* Very HOT due to Green House Effect

**Inner Planets have:**

–\_\_\_\_\_\_\_\_\_\_ rings

–\_\_\_\_\_\_\_\_\_\_\_ satellites

–\_\_\_\_\_\_\_\_ density

–\_\_\_\_\_\_\_\_ rotation

–\_\_\_\_\_\_\_\_\_\_\_ atmosphere

•Also known as JOVIAN Planets (meaning Jupiter-like)

•Do not have solid surface

•Made up of HYDROGEN, HELIUM, and ICE

•Much LARGER than Inner Planets, that’s why they are called GAS GIANTS

•Have relatively

–LOW density

–RAPID rotation

–DEEP atmosphere

–HAS rings

–MANY satellites

•Have relatively

–HIGH density

–SLOW rotation

–SOLID surfaces

–NO rings

–FEW satellites

–LOW density

–RAPID rotation

–DEEP atmosphere