

**Use the Tuva data table to answer the following questions:**

**Analyzing the Data:**

1. What is 1 thing that you notice when you look at all the data?
2. What planet is the largest? (Biggest radius)
3. What planet is the smallest (smallest radius)
4. Which planet has the closest radius to Earth and is also called Earth's twin because of this?
5. What do you notice when you compare the **radius** of the gas giants to the terrestrial planets?
6. Do the terrestrial or gas giant planets rotate on their axis faster? (Day)
7. Why do you think these planets rotate faster?
8. How many planets rotate faster than Earth (Day)
9. Do the terrestrial or gas giants planets revolve around the Sun faster? (Year)
10. Why do you think these planets revolve faster?
11. How many planets revolve faster than Earth? (Year)
12. What is the relationship between radius and mass? As radius increase what happens to the mass?
13. Is this true for ALL planets? If not, what 2 planets does NOT fit the pattern?
14. Which planet has the highest average temperature?
15. Why do you think that planet is the hottest even though it is NOT the closest planet to the Sun?
16. Why do you think all the gas giant planets are the coldest planets?