**STUDY GUIDE FOR SOLAR SYSTEM QUIZ 1**

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| **GRAVITY** | \*How would you define exactly what gravity is?  \*How does gravity help to keep the moon in orbit around the Earth?  \*What would happen to the International Space Station (ISS) if the Earth’s gravity suddenly shut off? |
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| **INERTIA** | \*How would you define exactly what is meant by the word inertia?  \*What role does inertial play in keeping a planet in orbit around the sun? |
| **TIDES** | \*Define and sketch out the Sun, Earth and Moon during high tides and low tides  \*\*What is a Spring Tide? What is a Neap Tide? Why do we get these? |
| **SOLAR SYSTEM**  **SCALING** | \*\*Using a scale of 1mm = 1,000,000km, what would a scaled distance be for a planet that is 92,000,000km from the sun. Based on what we did on the scaling activity, what 2 planets would this new planet be in between? |
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