

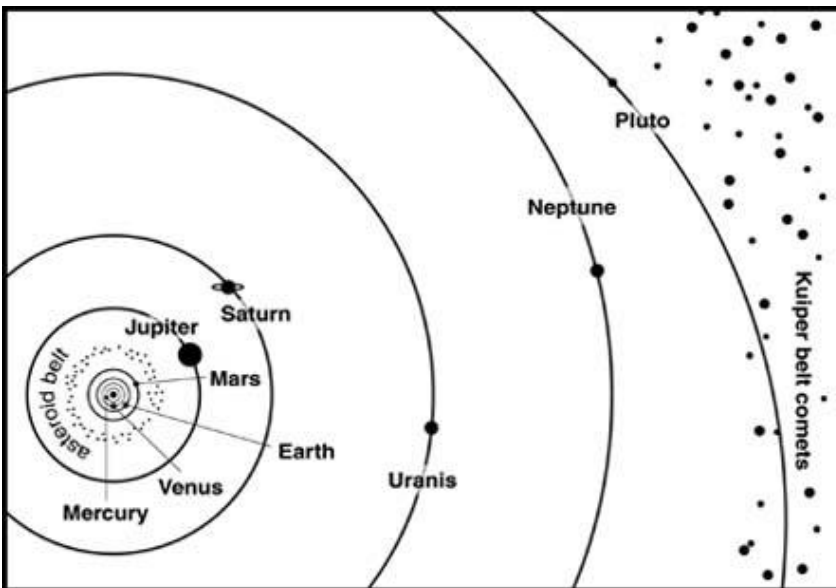
Name: _____

PLANET ORBITING & SHAPES WORKSHEET

ACTIVITY: ORBITING

List two ways that you can make the paper ball (i.e. your model planet) spin faster.
How does this relate to planet orbits?

Which planet revolves around the sun the fastest? Which one orbits the slowest? (You can circle/point to the answer in the picture below)



Did you know that one year on Earth is different from one year on Mars? This is because Earth orbits the sun faster than Mars. Let's calculate your age on different planets!

How old are you (in Earth years)?

If you were born on Mars, how old would you be (in Mars years)?

If you were born on Venus, how old would you be (in Venus years)?

Celestial Object	Period of Revolution (Compared to Earth)
Mercury	0.241 Earth years
Venus	0.615 Earth years
Earth	1.0 Earth years
Mars	1.88 Earth years
Jupiter	11.9 Earth years
Saturn	29.5 Earth years
Uranus	84.0 Earth years
Neptune	164.8 Earth years
Pluto	248.5 Earth years

ACTIVITY: SPINNING and PLANET SHAPE

Draw what your planet looks like when you spin it at different speeds.

Spin rate: Slow

Spin rate: Fast