Name: _____ Period: ____

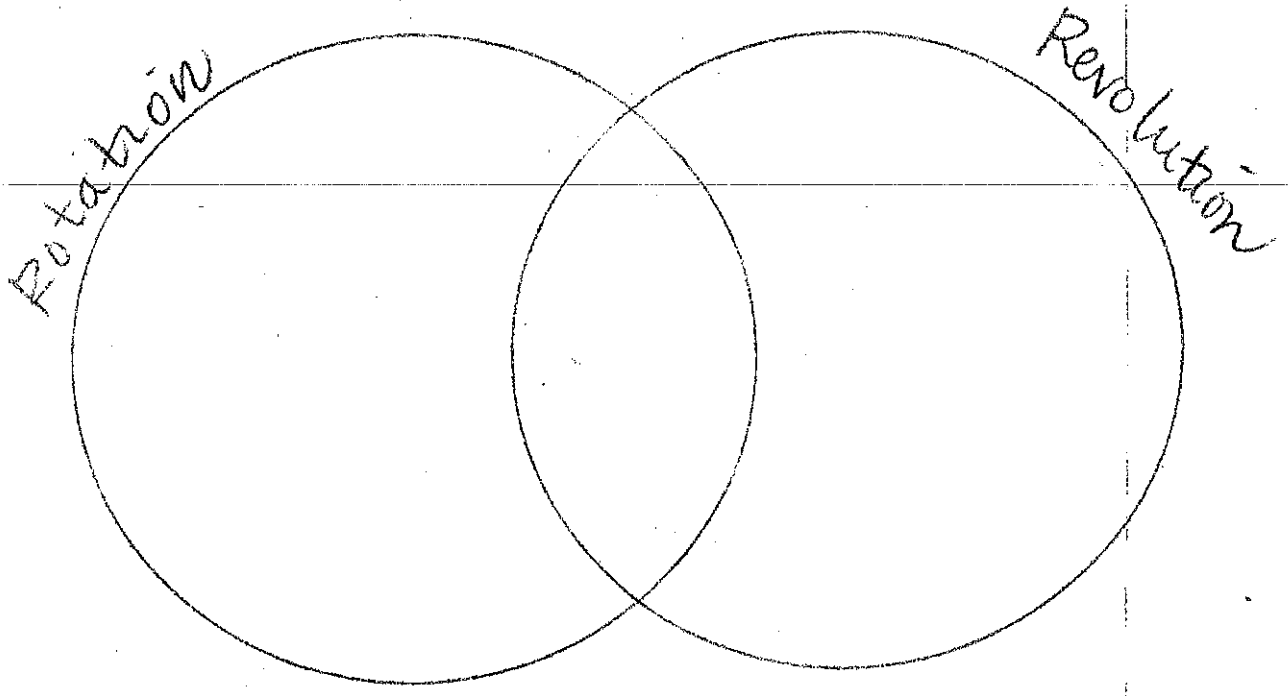
Spinning Round and Round

Define it!

Using your textbook, define the following terms. THEN, translate the definitions into your own words!

TERM	BOOK DESCRIPTION (Page 16e1)	MY UNDERSTANDING & TEACHER'S DETAILS
Axis		
Rotation		
Revolution		
Orbit		

Now, create a Venn diagram of the two concepts, rotation & revolution. One circle is labeled "Revolution" and one circle is labeled "Rotation".



Act it out! Work in groups of 4 to simulate the movement of the Earth, Sun and Moon. Assign each group member a role: Sun, Moon, Earth, Recorder. Perform each of the jobs listed below.

SUN – stand in a central location & ROTATE in place
EARTH – ROTATE on your tilted axis and REVOLVE around the sun (Real life: 365 rotations/1 revolution)
MOON – ROTATE on your axis and REVOLVE around the Earth (Real life: 1 rotation/1 revolution)
RECORDER – write down what you observe ***about each space object*** during the demonstration. Be sure your notes are thorough and accurate as you will be sharing these with your group members. Record them on the chart on the back.

Name: _____ Period: ____

Spinning Round and Round

OBJECT	Observation of movement
SUN	
EARTH	
MOON	

*Return to your tables and be sure all group members have accurate information!

Apply it! Fill in the Blanks in the following paragraph!

The planets _____ around the sun. The Earth _____ around the sun once every _____. The Earth _____ on its own axis every _____ hours. The Moon _____ around the Earth every 28.5 days and _____ once on its axis every 28.5 days.

Reflect on it! Answer the following questions in full sentences.

Compare and Contrast the motion of the Earth and the Moon.

Why do we only see one side of the moon?

Do all planets revolve and rotate exactly the same as the Earth? Explain.

Why do you think we have a leap year every 4 years?

Reflect on it! Bullet new information you discover while listening to <u>What Makes Day & Night</u>