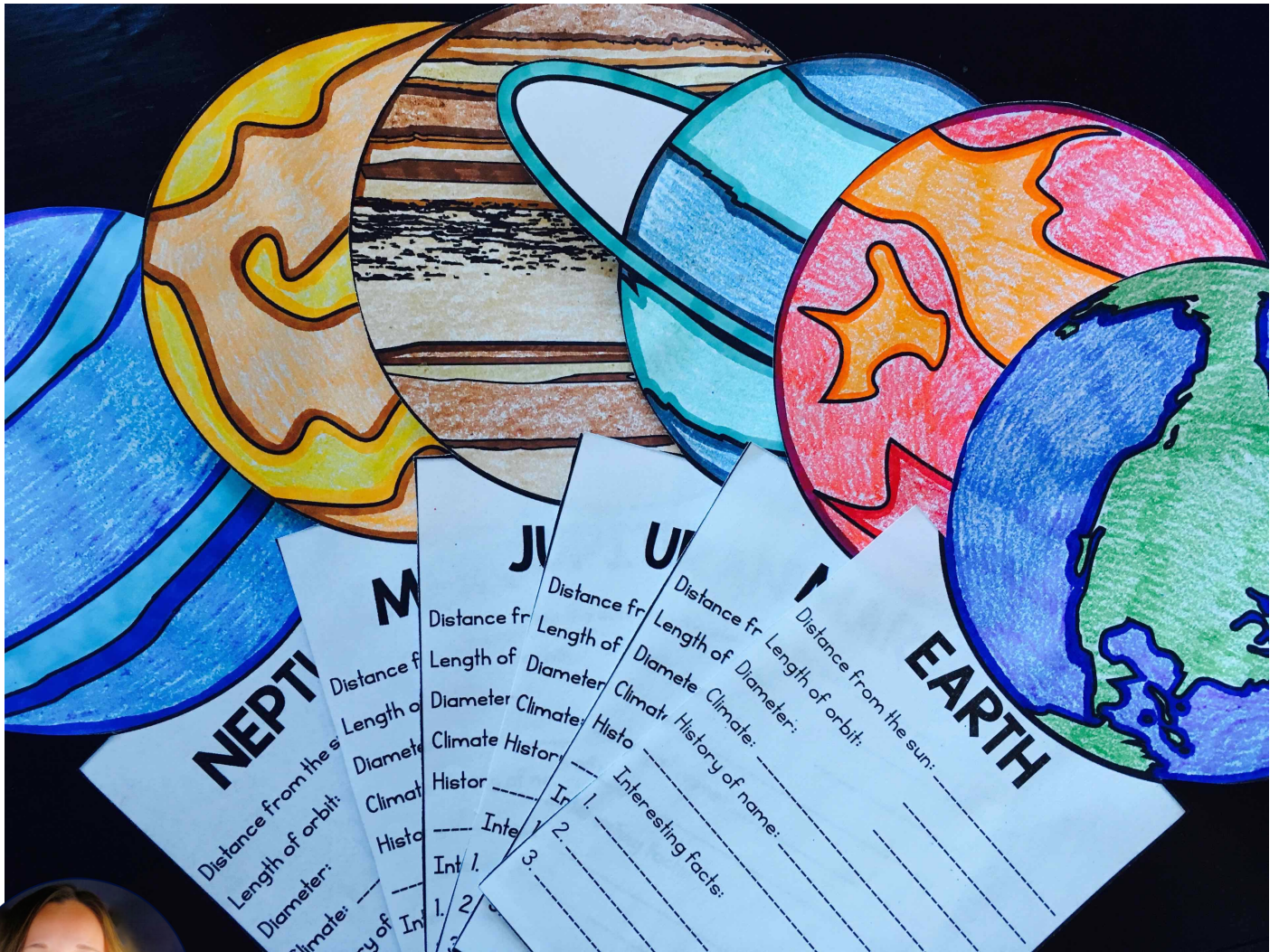


PLANET

fact fans



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TEACHER directions

Hello Teacher! Thank you for downloading these interactive fact fans. I think your students are really going to enjoy this way of showcasing their knowledge about the planets, sun, and moon!

To help visualize the prep needed for the project, each student will need a copy of each of the following pages.



PROCESS

Students research and record the information on their Note-Taking Sheets. Then, they edit their work and publish the information on the fans.

Next, students color the planets, cut out the fan, and hole-punch the bottom. A metal brad inserted through the circles completes the project! An optional Resources page is included for students who are ready to begin citing their sources.

* The answer key for the Note-Taking Sheets are at the end of the unit. These sheets have the same information students will be transferring to their fans. This way, you can check students' notes for accuracy before they begin publishing.

TIPS

- Printing on normal printer paper will work just fine. For sturdier fans, print onto cardstock.
- I like to teach students how to color before they begin coloring the fans. This sounds silly, but I have found that a simple lesson on coloring in one direction with a light hand can help students improve the quality of their fan. I also show them how to outline in marker and fill in with crayon.
- When cutting out the Sun fan, students may find it simpler (and therefore look better) to cut just outside the shape, rather than try to cut around each curve of the sun.

RECOMMENDED resources

Planets for Kids: This site provides quick facts for each planet and the solar system as a whole. There are links to articles as well as quick quizzes.

<http://www.planetsforkids.org/>

National Geographic Kids: Students go to the site and type *planets* into the search bar. They scroll down to *What is a Planet*. Lots of information is available here. It is organized by planet and written in both paragraph form and in bulletpoints.

<https://kids.nationalgeographic.com/>

Scholastic books orders often has many options for high quality books about the solar system. Some titles I like are below:

- National Geographic Little Kids First Big Book of Space by Catherine D. Hughes
- National Geographic Readers: Planets by Elizabeth Carney
- Planets (Science Readers: A Closer Look) by Teacher Created Materials
- The Magic School Bus and the Solar System by Joanna Cole and Bruce Degen
- All About Space: Time for Kids Book of How by The Editors of Time for Kids

If you find other amazing resources, please share them with me! I'd love to hear what is working in your classroom!

garciareources@icloud.com

- amanda

planet NOTES

Name: _____

Directions: Research the planets. Record your information in the table below.

	EARTH	JUPITER	MARS	MERCURY
Distance from Sun				
Length of Orbit				
Diameter				
Climate				
History of Name				
Interesting Facts				

moon NOTES

Name: _____

Directions: Research the moon. Record your information in the table below.

MOON	
Distance from Earth	
The moon orbits _____ every _____ days.	
Diameter	
Climate	
How much of the moon can we see at one time? Why?	
Interesting Facts	

Sun NOTES

Name: _____

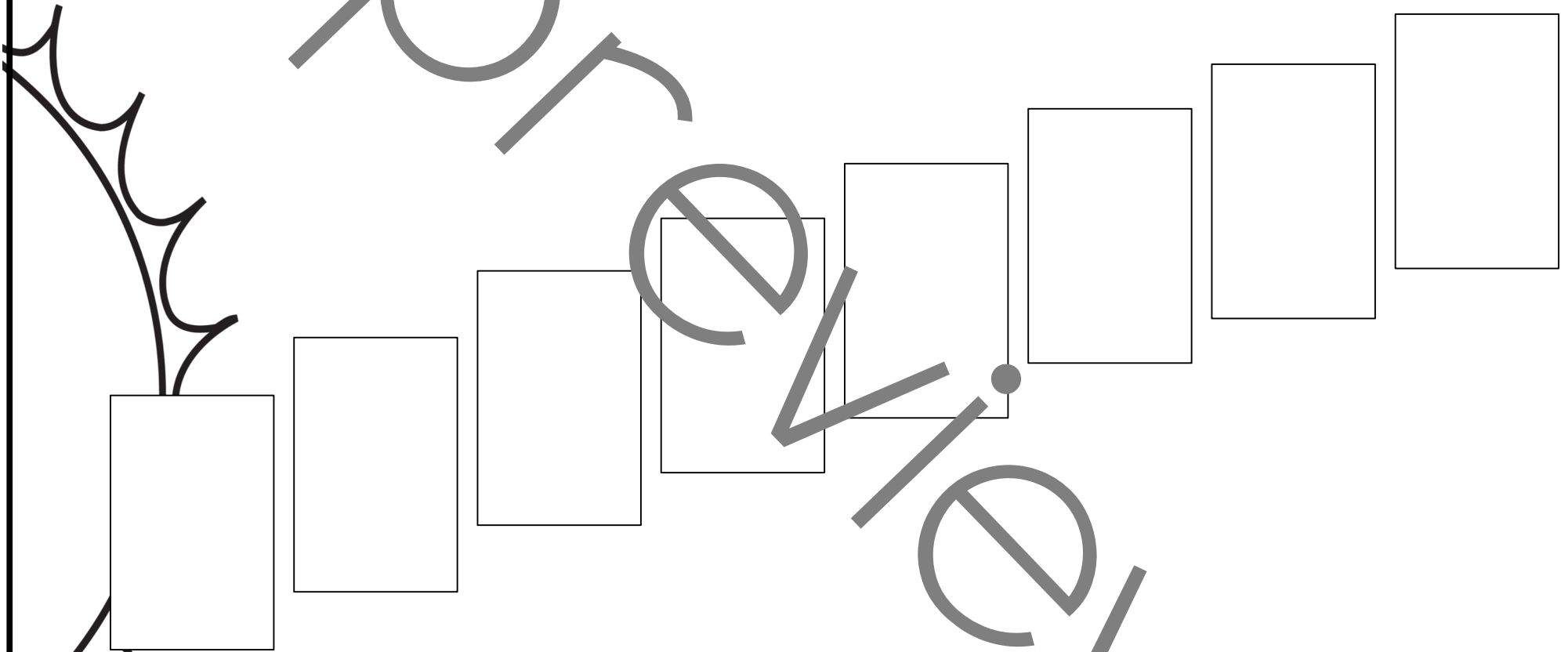
Directions: Research the sun. Record your information in the table below.


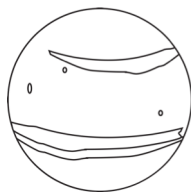
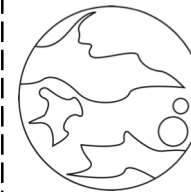
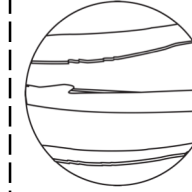
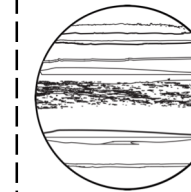
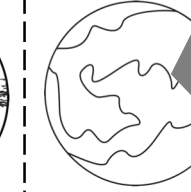
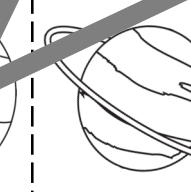
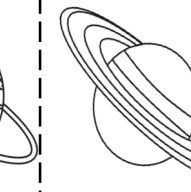
SUN	
Time it takes for light to reach Earth	
Diameter	
Temperature of surface	
Temperature of core	
History of Name	
Interesting Facts	

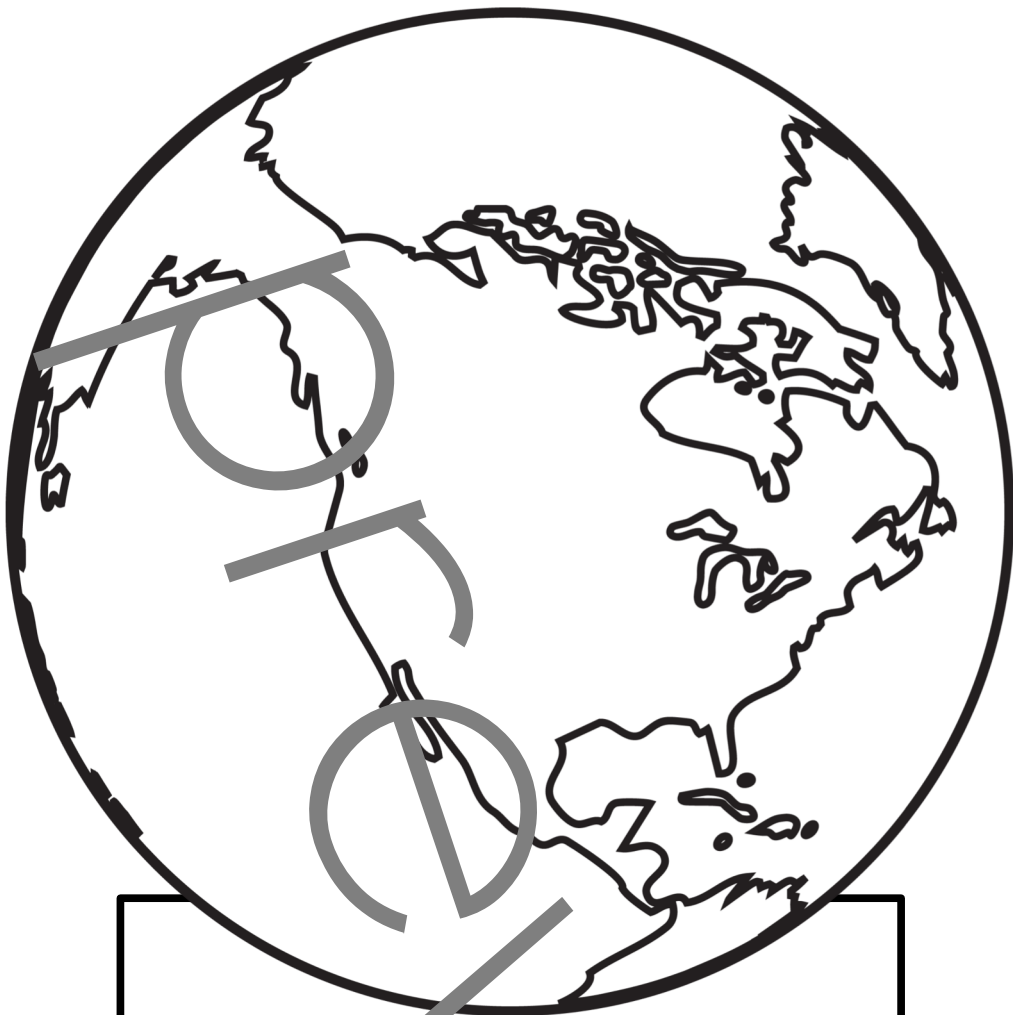
Order THE PLANETS

Name: _____

Directions: Cut out the planets. Paste them in the correct order of their distance from the sun.



EARTH 	NEPTUNE 	MARS 	VENUS 	JUPITER 	MERCURY 	URANUS 	SATURN 
---	---	--	--	---	---	--	--



EARTH.

Distance from the sun: _____

Length of orbit: _____

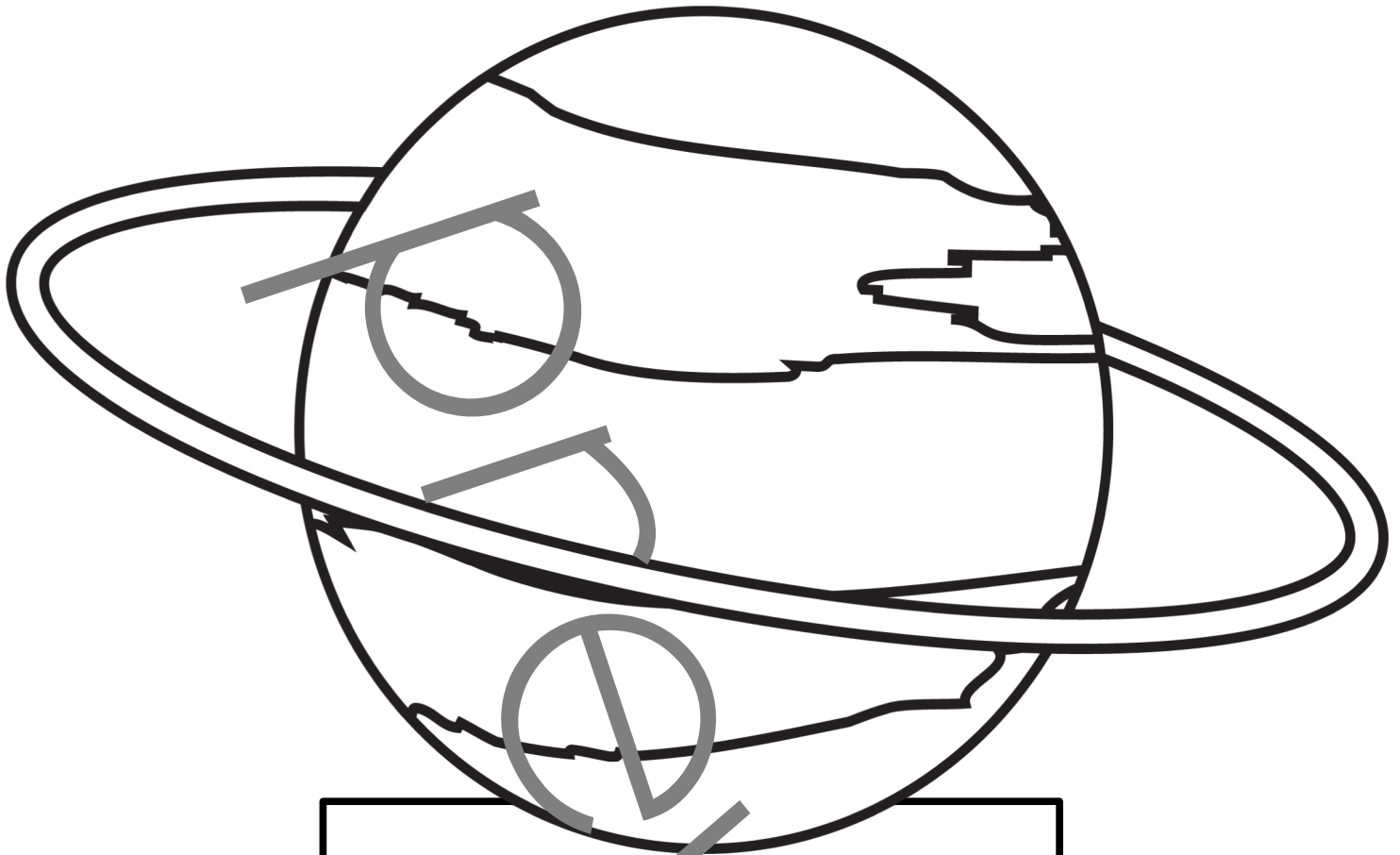
Diameter: _____

Climate: _____

History of name: _____

Interesting facts: _____





URANUS

Distance from the sun: _____

Length of orbit: _____

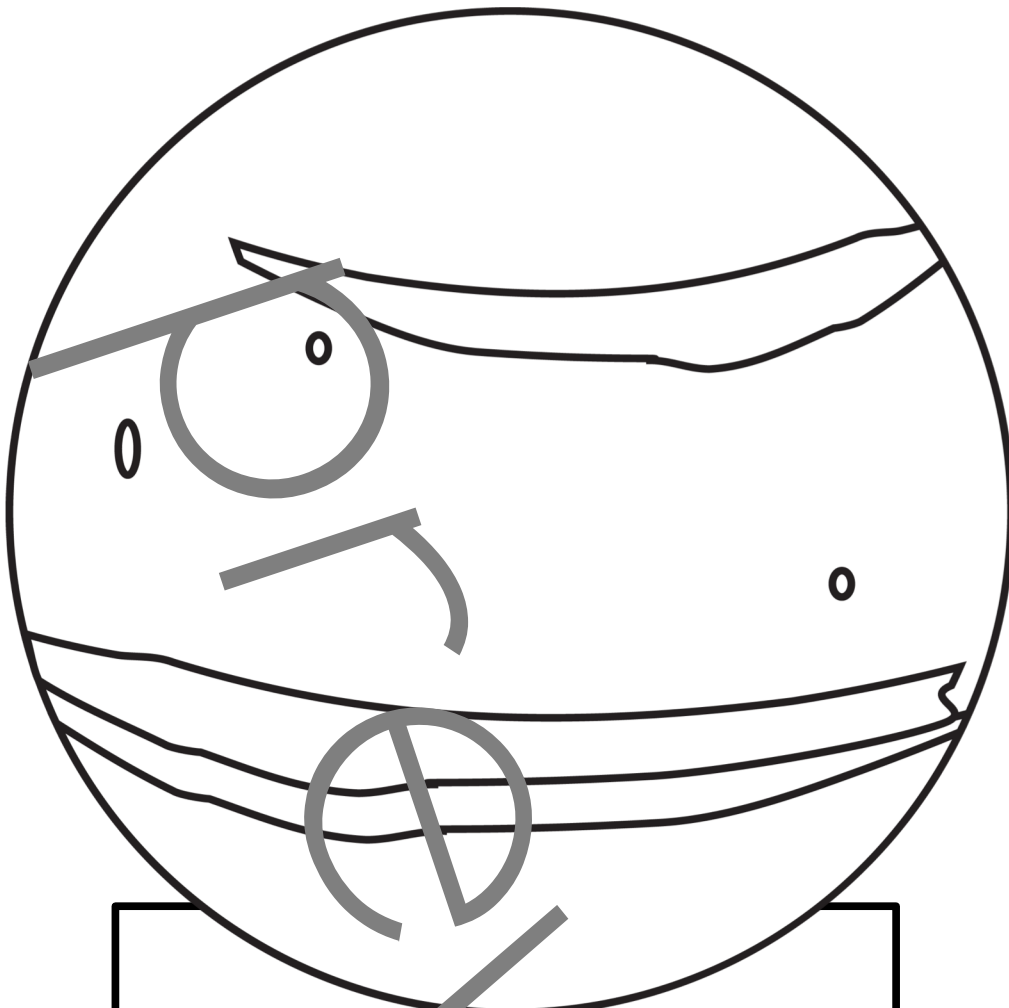
Diameter: _____

Climate: _____

History of name: _____

Interesting facts: _____





NEPTUNE

Distance from the sun: _____

Length of orbit: _____

Diameter: _____

Climate: _____

History of name: _____

Interesting facts: _____





MOON

Distance to Earth: _____

The moon orbits _____ every _____ days.

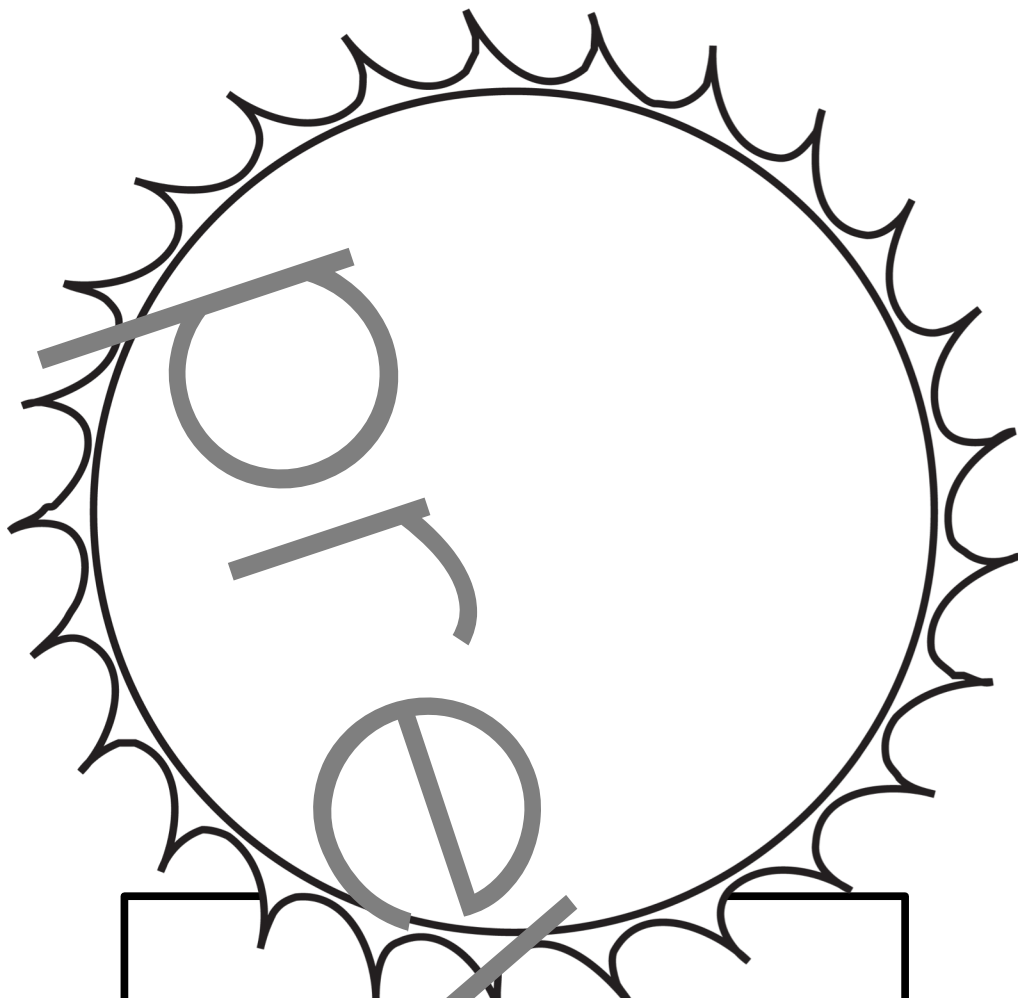
Diameter: _____

Climate: _____

How much of the moon can we see at one time? Why?

Interesting facts:





SUN

How long does it take light from the sun to reach Earth? _____

Diameter: _____

Temperature of surface: _____

Temperature of core: _____

History of name: _____

Interesting facts: _____



planet NOTES

Name: _____

Directions: Research the planets. Record your information in the table below.

	EARTH	JUPITER	MARS	MERCURY
Distance from Sun	150 million km/ 93 million miles	779 million km/ 484 million miles	228 million km/ 142 million miles	58 million km/ 36 million miles
Length of Orbit	365 days	12 Earth months	about 23 Earth months/687 days	about 3 Earth months/88 days
Diameter	12,742 km/ 7928 miles	142,984 km/ 86,881 miles	6792 km/ 4212 miles	4,878 km/ 3032 miles
Climate	variety of conditions depending on the region and time of year - hot, cold, rainy, cloudy, stormy, snowy	stormy many clouds hurricanes	has seasons like Earth; lows can reach -220 F (-140 C) and as high as 68 F (20 C)	no atmosphere because Mercury is so close to the sun; atmosphere blown away by solar winds surface is 800 F and nighttime can be -300 F
History of Name	from German and English words - <i>ertha</i> and <i>erde</i> , meaning ground only planet not named after a Greek or Roman god	known as Zeus in Greek mythology Zeus (Jupiter) overthrew his father, Saturn; became king of the gods	Mars was a Roman god god of war and agriculture	Mercury was the Roman version of the Greek god Hermes messenger for the other gods; protector of the other gods
Interesting Facts	Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.