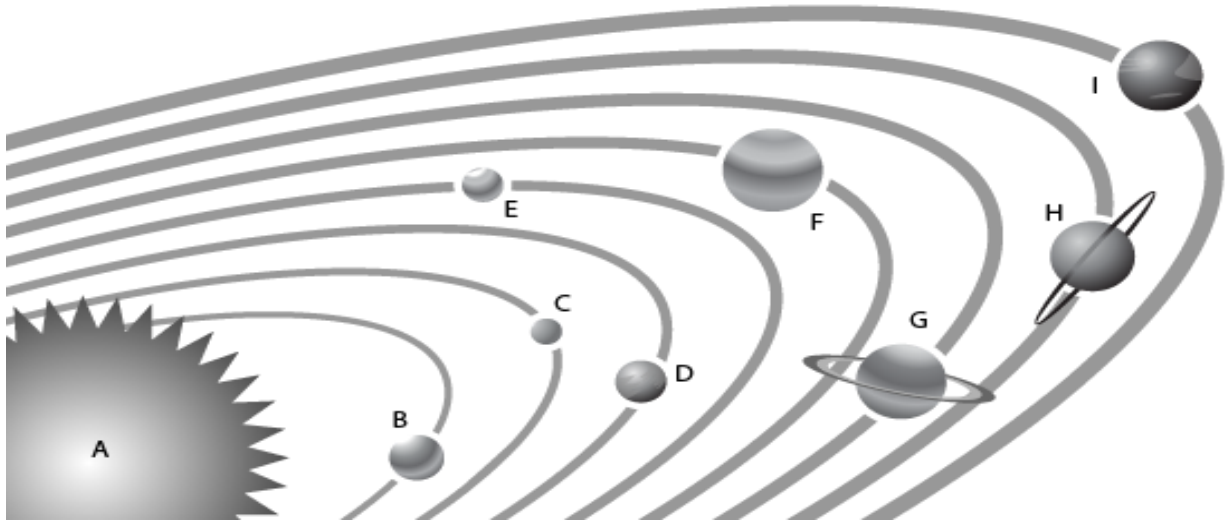


7F1 & 7F2 Science Term 1 2020 Assessment Task

"TURANGAWAEWAE"

As part of our '*Turangawaewae*' learning journey this term we have been exploring the distances of the Solar system. At camp, you viewed the beautiful night sky without the hazing effect of light pollution. The following tasks are designed to assess your understanding of our classwork.

1. Correctly label the celestial bodies in our solar system



A.	B.	C.	D.	E.
F.	G.	H.	I.	

2. Jeremiah's teacher has asked him to research the internet and make a list of the planets in order giving the correct distance and diameter. Jeremiah copied the table correctly but the planet names were missing from the table. He only remembered Earth's distance from the sun and its size. Can you put in the correct planet? Distance and Diameter are matched correctly. (*Hint: the larger the distance the further away the planet*).


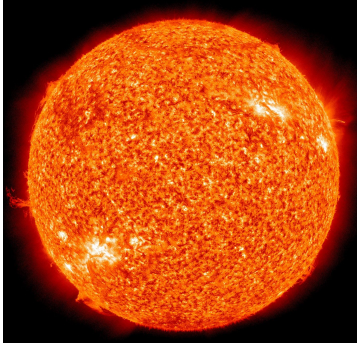
Calculate the Astronomical Units (AU) for each of the planets.

PLANET	DISTANCE FROM THE SUN	ASTRONOMICAL UNITS	DIAMETER
	227,940,000 km		6,805 km

	4,501,000,000 km	(30.087 AU)	49,528 km
Earth	149,600,000 km	(1 AU)	12,756 km
	778,330,000 km		142,984 km
	2,873,550,000 km		51,118 km
	1,424,600,000 km	(9.523 AU)	120,536 km
	778,330,000 km		4,879 km
	108,200,000 km		12,104 km

The names of the missing Planet are: *Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune*

3. Write 4 interesting facts for each of the following:

 <p>Earth</p>	<ul style="list-style-type: none"> • • • •
 <p>Sun</p>	<ul style="list-style-type: none"> • • • • •



Moon

-
-
-
-

4. Describe the following phenomena: (3-4 sentences for each)

Orbit:

Planet:

Solar System:

Asteroid:

Rotation of the Earth:

Meteoroids:

5. Put the names of the following celestial objects from our Solar System into the correct group.

Sirius, Sol, Rhea, Jupiter, Neptune, Europa, Mercury, Titan, Ganymede, Arcturus, Polaris, Saturn

Planets	Stars	Moons

6. Demonstrate your ability to differentiate between:

Planet	Moon

Inner Planets	Outer Planets

Asteroid	Comet

Marking Criteria and Rubric

L3/4 Y7	TOWARDS	AT	ABOVE	BEYOND
Solar system	You have yet to identify components of our solar system	You have investigated and identified components of our solar system	You have investigated and described components of our solar system	You have investigated and described in detail the components of our solar system
Distances between components	You have yet to identify the distances between components in our solar system	You have identified the distances between components in our solar system	You have illustrated distances between some components in our solar system	You have illustrated, using a relative scale, distances between some components in our solar system
Time Management	You have not submitted your assessment task by the due date	You have submitted your assessment by the due date	You have submitted your assessment by the due date	You have submitted your assessment by the due date
Use of scientific vocabulary to communicate ideas	You have used very limited terms and vocabulary relating to the solar system	You have used some terms and vocabulary relating to the solar system	You have used many terms and vocabulary relating to the solar system	You have used a variety of terms and vocabulary relating to the solar system
L4 - Y8	Working TOWARDS Curriculum expectation	Working AT curriculum expectation	Working ABOVE curriculum expectations	Working BEYOND curriculum expectation