

## Science Homework

## Space Homework 1 - Our universe and solar system

### 1. Research and report

Your task is to choose one of the four topics below and produce a short report on it. You are limited to a PowerPoint presentation with 2 slides or 2 sides of an A4 sheet of paper. All the information presented must be **in your own words**. You have **one week** to complete the task. Space is limited, so select the most important information and present it with zing!

Your presentation must include –

- at least one picture (graphic)
- Number data – (size, mass, rotation, distance, temperature etc.)
- Written information – (dates, what something is made of, how and when something was discovered, a time line etc.)

The four topics available are –

- ***The Moon***
  - ***Space exploration***
  - ***Our Sun***
  - ***The Asteroid Belt***
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### 2. Literacy task -

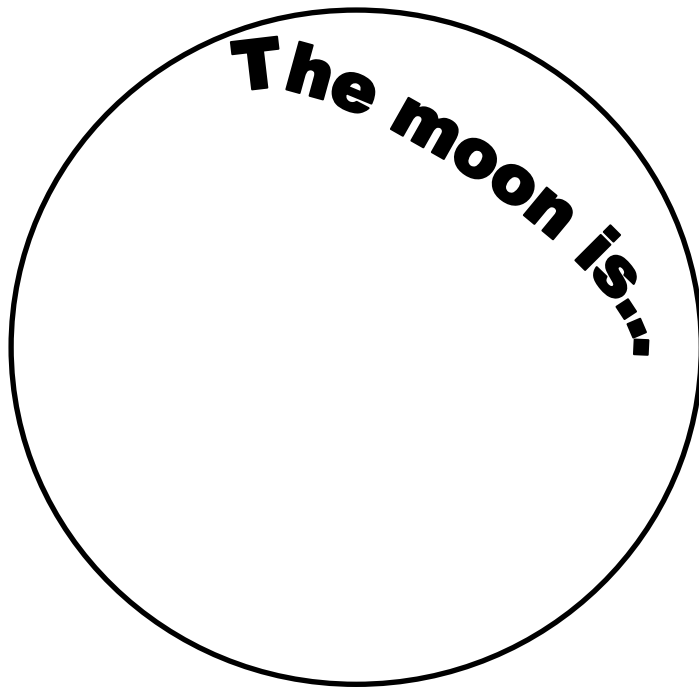
Read the following poem and answer the questions which follow it in the back of your jotter.

#### **The Moon**

*The moon has no light  
of its own.  
It's cold and dark  
and dead as stone,  
But it catches light  
from the burning sun  
And shows itself  
When each day is done.*

*Lillian M. Fisher*

1. Write down any **adjectives** you can find in the poem.
2. What do you think the poet's **feelings** about the moon are?
3. Create a **spider diagram** with your own ideas about what the moon is like.
4. Using your ideas from questions 3, write your own 'Moon Poem.' Lay it out like the example on the next page:



3. Complete the following word search to check your knowledge of **vocabulary** and **spelling** –

T	E	M	O	C	N	O	S	H	T	R	A	E	S
O	R	T	E	Y	A	P	R	P	O	S	T	E	I
S	U	N	E	T	I	L	L	E	T	A	S	C	X
Y	O	A	I	N	S	A	D	R	T	R	N	S	A
A	R	B	N	G	N	Y	O	T	E	I	U	A	H
D	R	I	S	E	R	N	S	V	H	N	P	T	A
O	N	R	T	U	O	A	I	R	E	G	N	U	D
G	A	D	C	M	S	N	V	V	A	O	I	R	J
M	D	R	E	D	U	K	N	I	M	L	T	N	E
S	E	R	E	L	O	P	Y	L	T	N	O	O	M
M	R	A	T	S	G	A	L	A	X	Y	M	S	A

GALAXY	VENUS	UNIVERSE
MERCURY	MARS	SOLAR SYSTEM
YEAR	JUPITER	ASTRONOMER
POLE	SATURN	NIGHT
SATELLITE	PLANET	MONTH
MOON	ORBIT	SPINNING
EARTH	COMET	AXIS
DAY	GRAVITY	SKY
SUN	STAR	

#### 4. Skills for learning – Handling information

Read this passage about the planets of the solar system and their moons –

Mercury and Venus have no moons. Earth, of course, has just one moon, Luna. Mars has two moons, Phobos and Deimos. Jupiter has a total of 67 moons, including the famous “Galilean moons” Io, Europa, Ganymede, and Callisto; Saturn has 62, of which Titan is the biggest and the most famous; Uranus has 27, all named after Shakespeare and Alexander Pope characters; and Neptune has 14, of which Triton is the biggest. Pluto, which is considered a dwarf planet, has five moons.

- Use the information in the passage to complete a **table** in the back of your jotter to show how many moons each planet in the solar system has.
- If a new planet was discovered with 5 moons, what names would you give them? Explain why you chose to use this system for naming the moons.