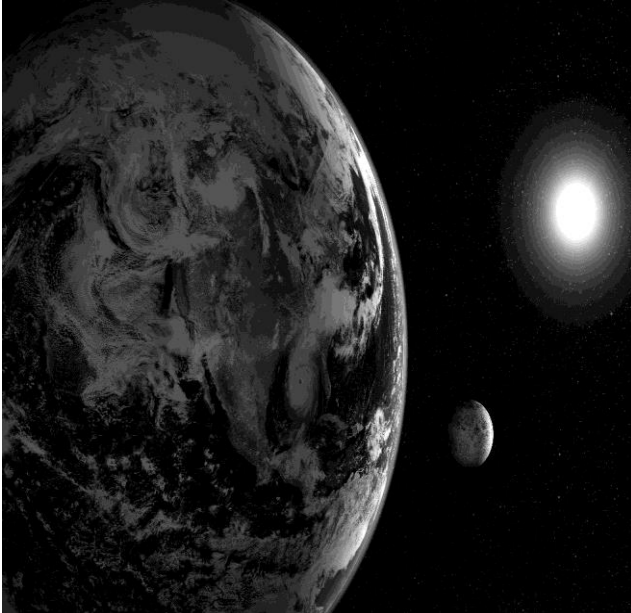


I. Choose the correct words from each word box to finish the sentences.

/5



round sphere orbits circle around turn

- 1 An oval, a circle and a sphere are all _____.
- 2 The Moon moves in a circle _____ the Earth.
- 3 The Moon _____ the Earth.

orbits gravity Earth Sun sizes shapes

- 4 The Sun, Earth and Moon are all spheres because of _____.
- 5 The Moon takes about 29 days to orbit the _____.
- 6 A scale model is a model that shows things at the correct _____ compared to each other.






waning full waxing gibbous new crescent

- 7 When the light part of the Moon is larger than the dark part, we call it a _____ Moon.
- 8 When the light part of the Moon is smaller than the dark part, we call it a _____ Moon.
- 9 When the bright part of the Moon is getting bigger, we say it is _____.
- 10 When the dark part of the Moon is getting bigger, we say it is _____.

II. Look in the table at the shadows of four objects below.

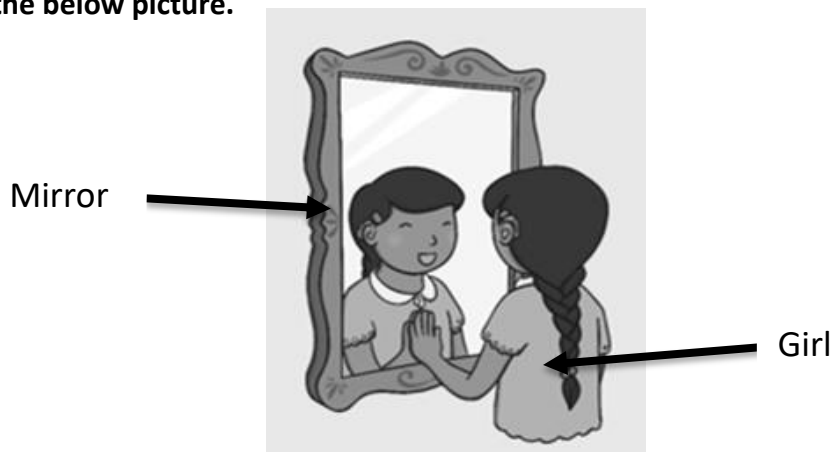
/2

Imagine you now turn the object so that the shadow changes.
Now draw the shadow. The first one is done for you.

Shadow of object	Turn the object make a new shadow
	
	
	
	

III. Look at the below picture.

/1



Which word describes why it looks like there are two girls in the picture?
Circle the correct answer.

opaque

reflection

shadow

IV. Draw a line from each object to the correct word to show whether it is transparent or opaque. **/2.5**



Opaque



Transparent



V. Sam tested three different materials to see if light would pass through them.



material A



material B



material C

Use these words to finish the sentences.

Transparent	Translucent	Opaque
-------------	-------------	--------

- a) Material A let the light through so it is _____. /0.5
- b) Material B blocked the light so it is _____. /0.5
- c) Material C scattered the light so it is _____. /0.5

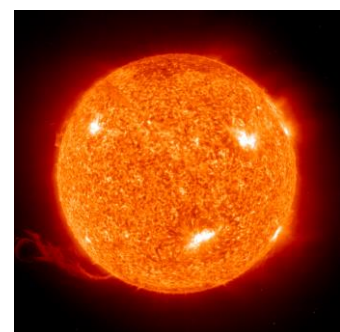
VI. Circle the correct answer.

1. How many Moons can fit inside the Earth? /0.5

- a) 400
- b) 4
- c) 40

2. The Sun is the only _____ in our solar system. /0.5

- a) planet
- b) star
- c) galaxy



3. The Sun is made of what two gases? /0.5

- a) Oxygen and hydrogen
- b) Helium and hydrogen
- c) Helium and hydrogen

4. How would you describe the Moon's surface? /0.5

- a) Rocky
- b) Gassy



5. How long does it take the Moon to revolve around the Earth? /0.5

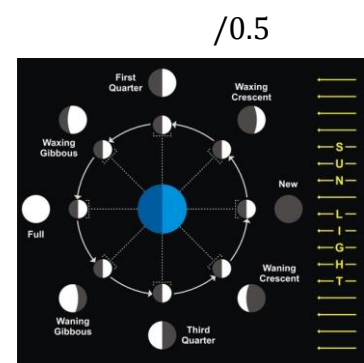
- a) 29.6 days
- b) 29.5 days
- c) 25.9 days
- d) 28 days

6. How do we see the Moon? /0.5

- a) It reflects light from the Sun
- b) Star
- c) Galaxy

7. When the moon changes from one phase to another, we see the same side of the moon.

- a) True
- b) False



8. How long does it take for Earth to rotate once on its axis? /0.5

- a) 23 hours
- b) 1 year
- c) 24 hours
- d) 1 month



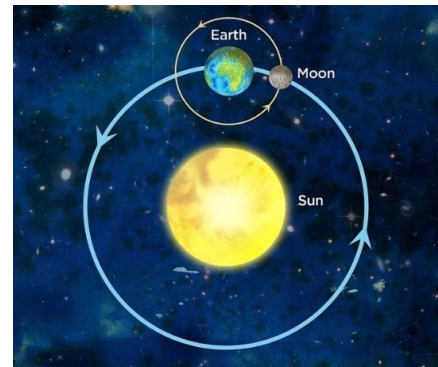
9. What does the term waxing mean when related to the moon? /0.5

- a) Growing larger
- b) Getting smaller



10. The Earth takes _____ to complete a revolution around the sun and _____ to complete one rotation. /0.5

- a) 365 days and 24 hours
- b) 24 hours and 365 days
- c) 365 hours and 24 days



11. The moon appears to change in appearance because _____. /0.5

- a) of the changing relative positions of the Earth, Moon, and Sun.
- b) of the amounts of light, the Moon emits.
- c) of the Earth's shadow on the surface of the Moon.
- d) of the gravitational pull of the Moon as it orbits the Earth.

12. The Earth, Sun, and Moon all share a similar _____ . /0.5

- a) size
- b) atmosphere
- c) temperature
- d) shape



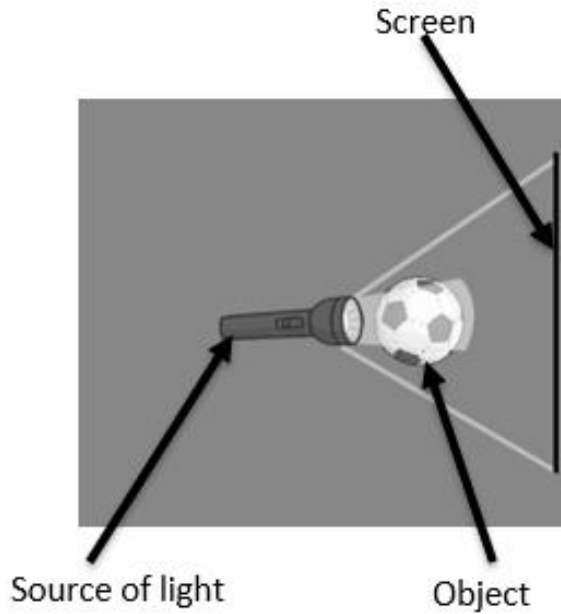
VII. Use the keywords from the box at the bottom of the page to label each of the phases of the Moon. /2

Waning crescent	Full moon	First quarter	Last quarter
New moon	Waxing crescent	Waning gibbous	Waxing gibbous





VIII. Kamal draws a diagram to show how shadows are made.



Kamal has **not** labelled the position of the shadow.
Label the position of the shadow on the diagram.

/1

a) Explain what makes the shadow.

/1

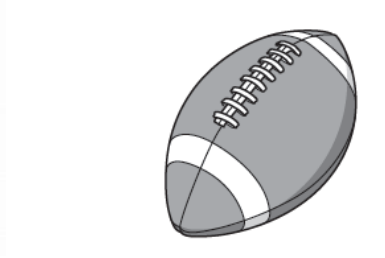
b) Describe what Kamal does to make the shadow smaller.

/2

IX. Blake and Gaby make a model of the Sun, Earth and Moon. They use these objects.



Sun



Earth



Moon

Blake thinks they need to change the object for the Earth.

Tick (☑) to show if Blake is correct.

/0.5

Yes

No

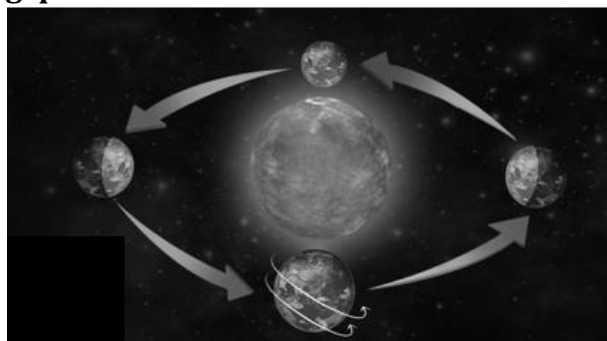
a) Explain your answer.

/2

b) Describe how Blake and Gaby use their model to show the movement of the Moon.

/1

X. Answer the following questions.



a) Write the word that best describes the shape of the Earth and the Moon. /0.5

b) What is the name of the imaginary line around which the Earth rotates? /0.5

c) What is the name of the force that keeps the Earth in orbit around the Sun? /0.5

XI. The Moon is seen from the Earth.

The picture shows the Moon.



a) Why does the Moon shine at night? /2






b) Why does the Moon have craters?

/2

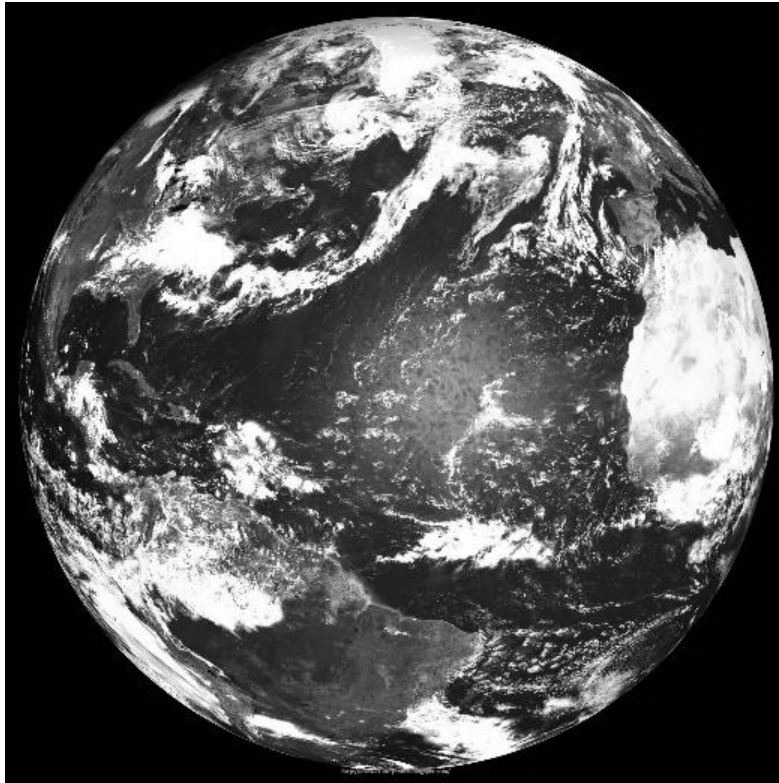
XII. Here are the steps of how a fossil is formed, but they are in the wrong order:

/2.5

Put the numbers 1,2,3,4,5 in the boxes next to them to show the correct order.

Part of the Process		Number
Over thousands of years the mould fossil might become a cast fossil with sediment entering the mould. Or it could become a replacement fossil.		
As erosion and weathering takes place, eventually the fossils become exposed.		
An animal dies and ends up in the sea. It gets covered by a layer of rock.		
Over a long period of time the sea will recede in certain places.		
Over time, more layers of rock cover it and by this time the only thing that remains is the bones.		

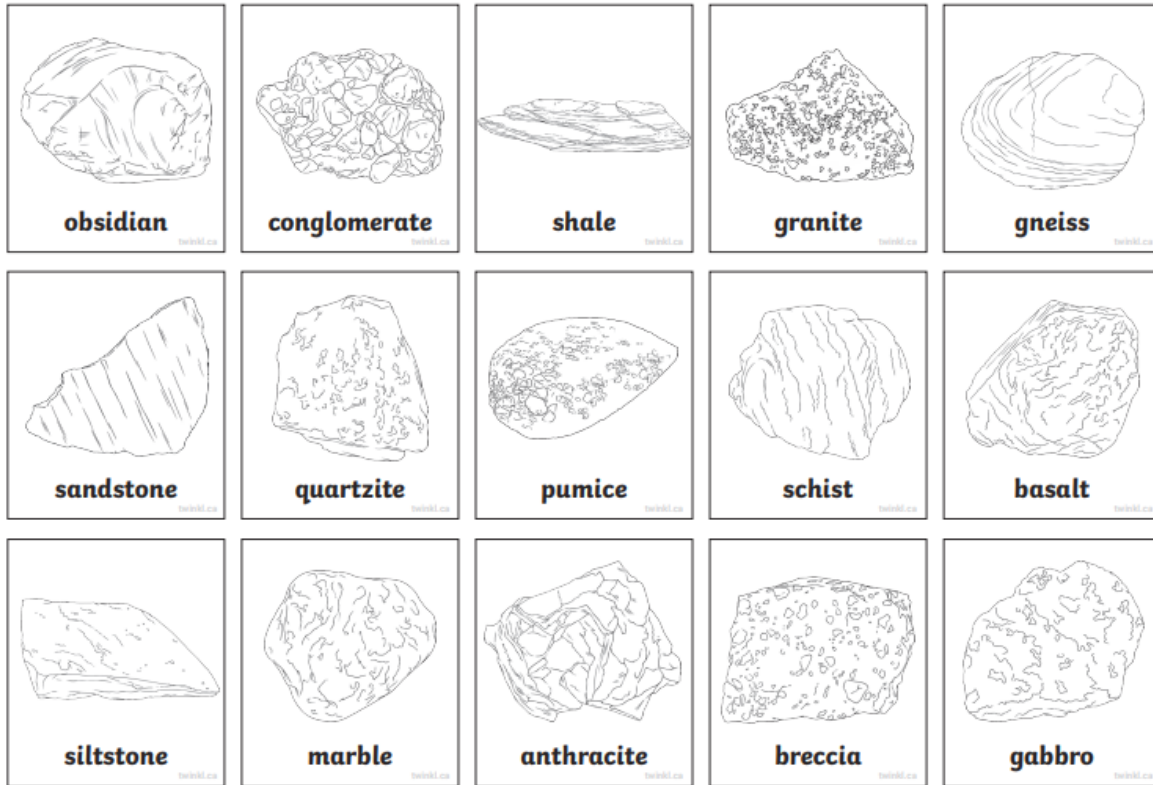
XIII. Earth is the only planet in the solar system that is known to have life on it. /2.5



Are these sentences true or false?

1. The Earth spins on its axis. _____
2. The Earth spins to the left and then to the right. _____
3. The Earth only spins in the morning. _____
4. The Earth orbits the Sun. _____
5. The Earth takes a year to orbit the Moon. _____
6. The Earth spinning on its axis causes day and night. _____
7. The Earth moves very close to the Sun and then stops. _____
8. The Earth takes a year to spin on its axis. _____
9. The Earth takes 24 hours to spin on its axis. _____
10. The Earth takes 24 hours to orbit the Sun. _____

XIV. Look at the rocks closely and sort them into igneous rock, sedimentary rocks and metamorphic rocks. /2



Igneous Rock	Sedimentary Rcocks	Metamorphic Rocks