

Primary Science Year 4 End of Year Exam

Preparation: You should spend time looking over the example questions provided to prepare yourself for your Science exam. Make sure you read the questions carefully and practice interpreting what they mean. Further preparation can be used with the following websites:

<http://www.bbc.co.uk/bitesize/ks2/science/>

<http://resources.woodlands-junior.kent.sch.uk/revision/science/index.html>

Select the links to each topic.

Exam Materials - Include pencils and rubbers.

Topics to revise for the exams:

- Human body
- Habitats
- Magnets
- Electricity
- Sound
- States of matter

Answers:

When reading the question, make sure you read it properly. Re-read it, and make sure you've understood it. Pick out the **key words** and take a moment to think about your answer and make sure it is actually answering the question.

When you have written your answer **STOP!** Go back and re-read the question and ask yourself, "Does my answer actually answer all of that question?"

Sample Questions:

Describe **TWO** different ways that the skeleton is important to the human body.

(i)

1 mark

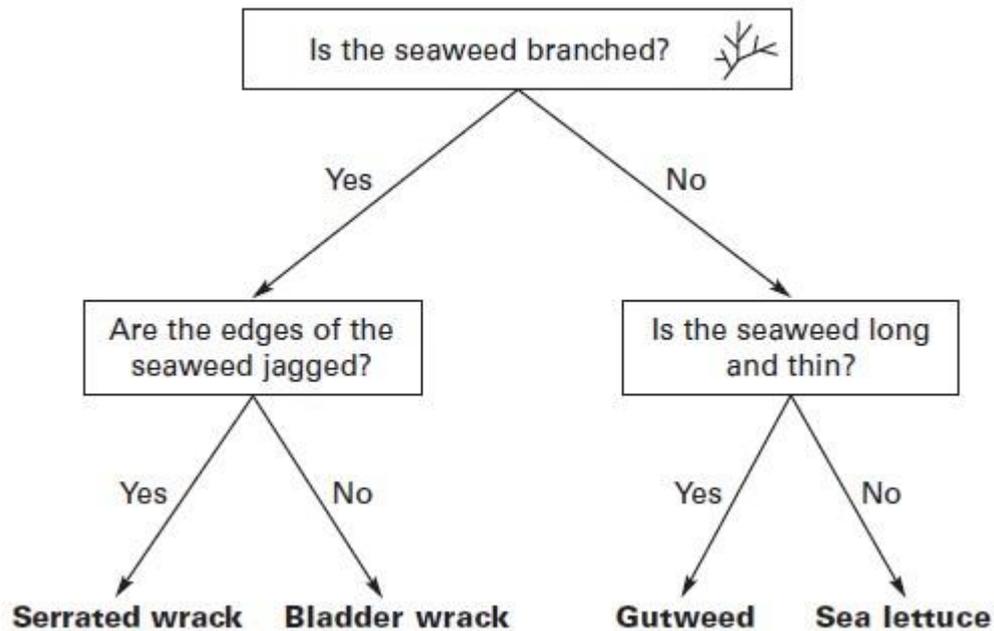
(ii)

1 mark

Q2. Seaweed and trees

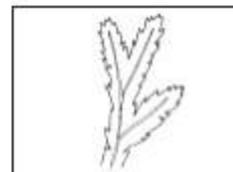
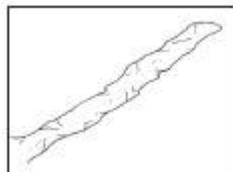
(a) Maria found different types of seaweed on the beach.

Her teacher has a key to identify the seaweeds.



Use the key to identify the different seaweeds below.

Seaweed A has been done for you.



Seaweed A is Seaweed D is Seaweed C is Seaweed B is

Bladder wrack
.....

1 mark

Q3. Materials

Solids, liquids and gases have different properties.
The chart below shows some of these properties.

Complete the table by ticking to show the properties of solids, liquids and gases.

The first row has been done for you. Some rows may need more than one tick.

property	solid	liquid	gas
keeps its own shape	✓		
flows easily through a pipe			
can make rigid or stiff structures			
can be squashed into a much smaller volume			
takes the shape of the container into which it is put			

4 marks

Q4. Keeping cool

- (a) Jamal is thinking about how to keep ice cubes from changing into water on a hot day.

Jamal says 'I think if you put the ice cubes inside lots of plastic bags they will stay frozen for longer.'

Tick **ONE** box to show what sort of statement Jamal has made.

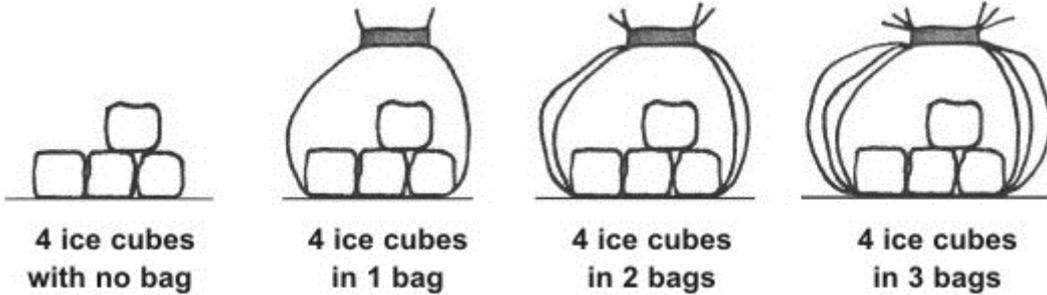
an observation

a prediction

a conclusion

a measurement

(b) Jamal puts four ice cubes in different numbers of plastic bags.



He records the time it takes the ice cubes to change to water.

Name the process that describes the change from ice to water.

.....

1 mark

(c) Jamal records his results in a table.

Number of plastic bags	Time for ice to change to water (minutes)
0	140
1	160
2	205
3	225

Choose **ONE** word from the box below to complete the sentence about the plastic bags.

dissolved condensed heated insulated evaporate
d

The table shows that the ice is by the plastic bags so that the ice changes to water more slowly.

1 mark

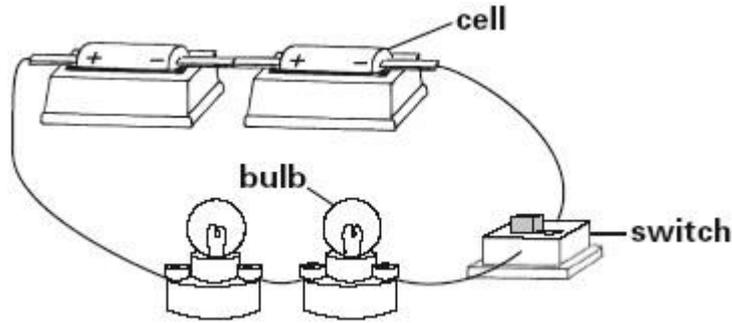
Q5. School play

(a) Polly is in a school play.

She is dressed as a star.
The star costume has
bulbs which light up.



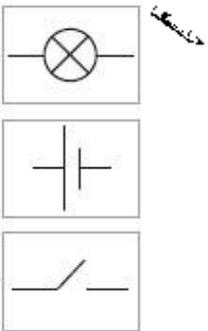
The picture below shows
the circuit that makes the
star light up.



Draw a circuit diagram of the star's circuit in the space below.

Use these symbols in your circuit diagram.

You can use each symbol more than once if you need to.



2 marks