

SCIENCE COMPREHENSIVE WORKSHEET - YEAR 3

Q.1 Choose the correct answer.

1. The more water a plant is given, the better it will grow. Is this statement true or false?
A. True B. false C. it is impossible to say
2. What job does the stem of the plant NOT do?
A. breathes for the plant B. holds the plant upright
C. carries water and minerals up to the leaves
3. Which part makes food for the plant?
A. Roots B. petals C. leaves
4. What job does the root of a plant NOT do?
A. Takeup water and nutrients from the soil. B. keep the plant steady and upright
C. make food and send it out to the rest of the plant
5. Which of these objects would be attracted to a magnet?
A. A leather purse B. A steel key C. A wooden ruler
6. Magnet A can hold three steel paperclips; Magnet B can hold five. Which is the strongest?
A. Magnet A B. Magnet B C. They are both equally strong
7. Two magnets are placed next to each other and push (repel) each other apart. What is one possible explanation for this?
A. The north pole of both the magnets are facing one another B. One magnet is made of gold
C. The north pole of one magnet is facing the south pole of the other magnet.
8. The pushing or pulling force of a magnet is:
A. Strongest in the middle of the magnet B. Strongest at the ends of the magnet
C. The same all the way through the magnet
9. Which two metals will be attracted by a magnet?
A. Iron and steel B. Gold and silver C. Aluminium and lead
10. When two magnets repel each other, they:
A. Push away from each other B. Pull towards each other C. Neither push nor pull
11. When two magnets attract each other, they:
A. Push away from each other B. Pull towards each other C. Neither push nor pull
12. Magnetism is a type of:
A. Electricity B. Gravity C. Force

13. When you squash a spring down with your hand, you feel:
A. An upward push on your hand B. A downward push on your hand
C. Neither push nor pull
14. The more you squash or compress a spring down with your hand:
A. The bigger the downward force on your hand B. The smaller the upward force on your hand
C. The bigger the upward force on your hand
15. Sometimes a magnet cannot attract a can because:
a. It is heavy. b. It is made up of aluminum. c. It is opened.
16. A magnet cannot attract:
a. Iron b. Steel c. Silver
17. The spring in a trampoline makes it:
a. Bouncy b. Flexible c. bendy
18. Which of the following rocks is permeable?
A. Slate B. Marble C. Chalk
19. Which rock splits easily into thin sheets?
A. Marble B. Slate C. Granite
20. Which is the rock that floats?
A. Pumice B. Slate C. Granite
21. What would be a good rock to tile a roof with?
A. Chalk B. Slate C. Pumice
22. Chalk is used to write on blackboards because:
A. It wears away easily B. Its permeable C. It doesn't float
23. Granite is often used for steps because:
A. Its permeable B. It doesn't wear away easily C. It doesn't float
24. Marble is often used for statues or grand buildings because:
A. It has attractive textures and colours B. It splits easily into thin sheets
C. It wears away easily
25. Which rock is the solidified lava froth from a volcano
A. Marble B. Sandstone C. Pumice
26. What could be a problem with a monument made from chalk?
A. It wouldn't float B. It couldn't be shaped C. It could crumble over time
27. Flint and sandstone are two rocks. Sandstone can be scratched with a steel nail. Flint cannot. Which is the harder rock?
A. Flint B. Sandstone C. It's impossible to tell

Q.2 Fill in the blanks.

- I. Some minerals grow into big _____.
- II. The Taj Mahal in India is made up of _____, a type of metamorphic rock.
- III. Igneous rock comes from _____ eruption.
- IV. Very small stones are called _____.
- V. Rocks are made of tiny pieces called _____.
- VI. The texture of a rock depends on the size, shape and _____ of the grains.
- VII. Bricks are made by heating _____.
- VIII. Birds eat small _____ which help them to break up the food inside them.
- IX. Plants use energy from the _____ to make food.
- X. Photosynthesis is the process by which green plants make their own _____.
- XI. The _____ of plants take in carbon dioxide from the air that animals give off.
- XII. Plants give off _____ which animals and people breathe in.
- XIII. Plants need _____ or they might wilt.

Q.3 Write 'True' and 'False'.

- 1. Trees have very thick stems called trunks. _____
- 2. Taking water away from an area is known as drainage. _____
- 3. Adding water to fields is called waterlogged. _____
- 4. The scientific name for all living things is organisms. _____
- 5. Limestone is used to make toothpaste. _____
- 6. Sandstone is made of rounded grains of crystals. _____
- 7. Gravel are small pieces of rocks that are used on paths, roads and railways. _____
- 8. Metamorphic rocks worn away by rain and wind. _____
- 9. Soil is made from tiny particles of rock. _____

Q.4 Answer the following questions.

- 1. Name the raw materials required by the plant to make food.

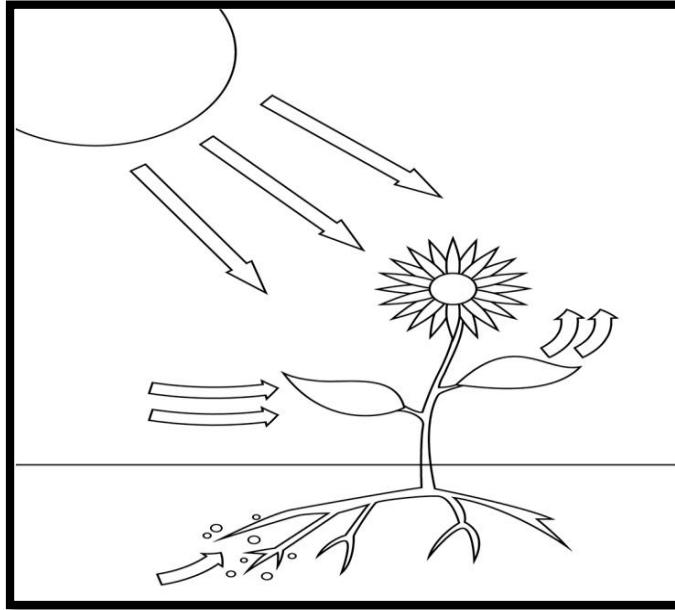
- 2. What two things do roots do for a plant?

- 3. Name the process by which plants make food.

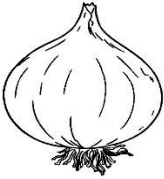
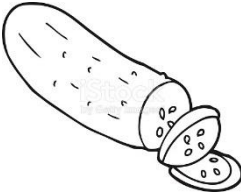
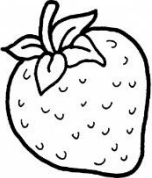



- 4. What are the conditions required for germination?

5. What are the conditions required by plants to grow?

Q.5 Label the main parts of the plant and identify what enters and leaves the plant.



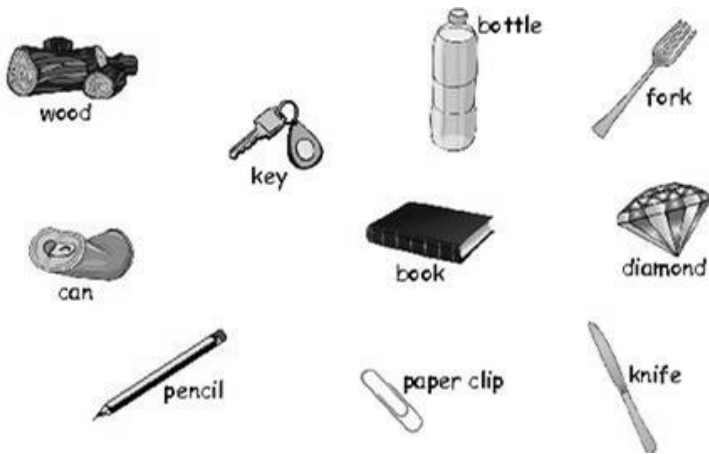
Q.6. Look at the different foods below. Are they fruits or vegetables?
Write 'F' for fruit and 'V' for vegetable next to each picture.

 Onion	 Cucumber
 Strawberry	 Sweet potato
 Lemon	 Cauliflower

Q.7 Match the parts of plant and write the answer in Column "C".

Column A	Column B	Column C
A. stem	1. tomato	
B. bud	2. spinach	
C. root	3. celery	
D. leaf	4. carrot	
E. fruit	5. broccoli	
F. flower	6. peas	

Q.8 Put the objects below into the correct box.



Magnetic Materials	Non Magnetic Materials

Q.9 What happens when we lie on a mattress?

Q.10 Correct the following statements.

1. A spiral coil of wire or metal is a magnet.

2. You put a force on the spring and attract it.

3. Wood will be attracted to a magnet such as iron or steel.

Q.11 The pictures show a number of forces in action. Decide whether the force is a push or pull. Write your answer beside each picture.



This force is a

.....



This force is a

.....



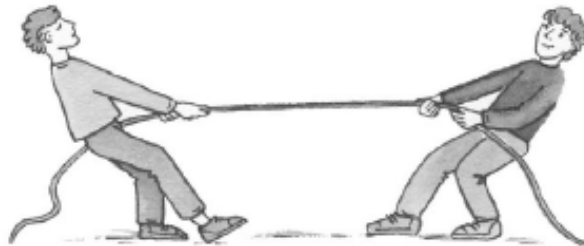
This force is a



This force is a



This force is a



This force is a

Q.12 Solve the riddles with the help of clues.

- a. Magnets that work with electricity. _____
- b. It helps to hold the clothing on the washing line. _____
- c. The further you stretch it, the harder it goes. _____
- d. It helps to hold the fridge door tight. _____
- e. Bungee jump rope has it. _____

Q.13 Explain how magnets can be useful in recycling of metals.

Q.14 Guess who am I?

- 1) I am a molten rock when I am underground. _____
- 2) I describe the shape and sizes of the grain. _____
- 3) I am turned into marble when heated and squashed inside the Earth. _____

4) I am a container with holes in the bottom. I can be used to separate pieces of different sizes.

5) I am a small, rounded piece of a rock.

Q.15 Name a use for the following rocks below:

Rock	Use
Slate	
Diamond	
Marble	
Ruby	
Granite	

Q.16 Write two examples of each of the following rocks.

Types of rocks	Examples
Sedimentary	
Igneous	
Metamorphic	

Q.17 Complete the following statements about granite.

- a. The black grains are a mineral called _____.
- b. The grey grains are _____.
- c. The _____ grains are feldspar.

Q.18 Choose the correct answer from the given box to solve the riddles.

glass	granite	limestone	sedimentary rock	marble
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1. I am a manufactured material. I am made by heating sand.

Who am I? _____

2. I am permeable and have rounded grains.

Who am I? _____

3. Gneiss and I have same minerals but in different amounts.

Who am I? _____

4. When I am heating and squashed inside the earth, I turn into marble.

Who am I? _____

5. I am carved to make status. I am very attractive.

Who am I? _____

Q.19 Name the rock that is used for:

a. Building roads and railways: _____.

b. For making roof tiles: _____.