

Printed Quiz | Secondary Schools | GCSE Science | For Class Use (1)

This printed quiz is for use with secondary school students and is intended for use in class or as homework. The PDF file prints firstly the questions complete with answers and then the questions without answers but with spaces left for answer insertion by the students. The questions are about Science (Biology, Chemistry and Physics) and are aimed at GCSE students. The Education Quizzes website contains many different [quizzes for schools](#) that can be used by teachers free of charge.

1 If an atom has 3 electrons and has a neutral charge, how many protons does it contain?

3

2 If a shiny surface is not flat, what will happen to light rays incident upon it?

They will be reflected in numerous directions

3 Darwin's theory was not accepted at first because of objections by which establishment?

The Church

4 Humans have two sex chromosomes. In women they are known as what?

XX

5 Which gas is given off when calcium carbonate is heated?

Carbon dioxide

6 A CCD in a digital camera is the equivalent of what in the eye?

Retina

7 What property is used in the modern periodic table to sort the elements?

Atomic number

8 What is the name of the chemical reagent which is used to test for proteins.

Biuret

9 Where is a cloned animal grown?

Uterus (womb)

10 What is the name of the specialised cells found on either side of a stoma?

Guard

11 Why is iron rarely used as pure iron?

It is too brittle

12 Why is aluminium used to make aeroplane bodies?

It is very light

13 How is pressure distributed in a liquid?

Equally in all directions

- 14 In chemistry, what is a reversible reaction?**
A reaction that can proceed in both directions
- 15 Species who die off are known as what?**
Extinct
- 16 To the nearest minute, how long does it take the light from the sun to reach us?**
8 minutes
- 17 The forward reaction of the Haber process is exothermic. What does this mean?**
It gives out energy
- 18 What are echoes?**
Reflections of sounds
- 19 Plant roots have an enormous surface area for water absorption due to what?**
Root hairs
- 20 What type of lens is used to correct long sightedness?**
Convex
- 21 Sperm cells carry two types of chromosomes. What are they known as?**
X and Y
- 22 The critical angle of diamond is 24 degrees. What is its refractive index?**
2.4
- 23 The animal that gives birth to the cloned animal is known as a what?**
Surrogate
- 24 Evolution leads to the formation of new what?**
Species
- 25 Limestone is sometimes spread on fields and lakes. Why?**
To neutralise acidic soil or water
- 26 Cloning is an example of which type of reproduction?**
Asexual

- 27 **What determines how fast light travels in a medium?**
Refractive index of the medium
- 28 **Enucleate means the removal of what?**
Nucleus
- 29 **Nitinol is an alloy made from which two metals?**
Nickel and titanium
- 30 **Which type of lens would be a good choice to use for the purposes of magnification?**
A converging lens
- 31 **The loss of water vapour from a surface is known as what?**
Evaporation
- 32 **What type of rock is limestone?**
Sedimentary
- 33 **Bronze and cupronickel are both used to make coins. They are both examples of what?**
Alloys
- 34 **X-rays are part of which spectrum?**
Electromagnetic spectrum
- 35 **The process by which a plant loses water is called what?**
Transpiration
- 36 **Which was the most abundant gas in the Earth's early atmosphere?**
Carbon dioxide
- 37 **Carbon and hydrogen are held together by which type of bonding?**
Covalent
- 38 **What is the name given to sterile handling techniques in microbiology?**
Aseptic

- 39 **In a field, why would there be very few daisies under a tree?**
Not enough light
- 40 **Bacteria must be cultured below which temperature to avoid the growth of pathogens?**
25 degrees C
- 41 **What are the units of pressure?**
Pascals
- 42 **What is a fossil?**
Any evidence of a plant or animal that lived ages ago
- 43 **What leaves the plant through the stomata?**
Water vapour
- 44 **Mayonnaise, ice cream and milk are all examples of which type of oil?**
Emulsions
- 45 **Which gamete cell is needed for cloning?**
Egg
- 46 **What process produces oxygen as a waste product?**
Photosynthesis
- 47 **What is the correct order of the reflex arc?**
Sensory - relay - motor
- 48 **If a chemical is volatile and could cause breathing problems, where is it handled?**
Fume cupboard
- 49 **Evidence for evolution comes from what?**
Fossils
- 50 **What is the unit of power for a lens?**
Dioptrē

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