

OBHS Core Questions:


Subject: Science

Year and Term: Year 7 Autumn Term

Topic: 7A Introduction to science



Learn these questions to build a strong foundation of knowledge for this half-term. Ask family or friends to test you regularly, or practise on your own using the 'Look, Say, Cover, Write' method.

Question	Answer
1. What is the name of the piece of equipment we use to protect our eyes during a practical?	Goggles
2. What is the name of this piece of equipment? 	Measuring cylinder
3. What does flammable mean?	A substance that can light on fire easily
4. Which piece of equipment is used to measure the temperature of a liquid?	Thermometer
5. True or false, running is allowed in the science labs.	False, running is not permitted in any of the science labs
6. True or false, I cannot eat, drink or chew gum in the science lab.	True
7. Which piece of equipment is used to heat things up in a science lab?	Bunsen Burner
8. What is the difference between a test tube and a boiling tube in terms of size and use.	Boiling tubes are larger and are used when heating a substance up
9. What are the three main branches of science?	Biology, chemistry and physics
10. What should you do if you spill chemicals in the lab?	Report it to the teacher immediately, do not attempt to clean it up yourself.
11. What is a hypothesis?	A guess or prediction about what you think will happen in an experiment
12. What are the three variables in a scientific investigation?	Independent, dependent, control
13. Which variable is the one you change?	Independent
14. Which variable is the one you measure?	Dependent
15. Which variable is the one you keep the same?	Control

16. I am investigating how many worms are eaten by 3 different types of bird in one day, what is the independent variable?	The type of bird
17. I am investigating how many worms are eaten by 3 different types of bird in one day, what is the dependent variable?	How many worms each bird eats
18. I am investigating how many worms are eaten by 3 different types of bird in one day, what are the control variables?	How long you do the experiment for The weather on the day, all birds must be sampled on the same day
19. What does a heatproof mat do?	Prevents hot objects damaging the surfaces they rest on
20. What is a wire gauze for?	Sits on a tripod and holds a beaker above a Bunsen burner
21. What is a piece of data called that does not fit the pattern?	Anomalous result (or an anomaly)
22. Which piece of equipment should you use when drawing a graph and plotting points?	Pencil
23. The horizontal axis on a graph is called the ___ axis	X- axis
24. The vertical axis on the graph is called the ___ axis	Y- axis
25. Give an example of a type of graph or chart we use in science.	Bar chart, line graph, pie chart