

TEST YOURSELF – SKILLS IN SCIENCE

Fold the sheet along the dotted line – fill in your answers. Open out the sheet & check how you did.

1. Always wear ____ protection when doing experiments.		eye
2. If a _____ gets on your skin wash it off immediately.		chemical
3. Do not enter the lab without ____ from a teacher.		permission
4. Name for general purpose container made from glass with a pouring lip.		beaker
5. What apparatus is used to evaporate a liquid to leave a solid?		evaporating basin
6. What apparatus protects the bench?		(heatproof) mat
7. What apparatus is used to measure volumes accurately?		measuring cylinder
8. What is the name for a scientific “spoon” for transferring solids?		spatula
9. What is this apparatus? xxxxxxxxxx		gauze (mat)
10. What is normally represented by an arrow and the word HEAT?		Bunsen burner
11. What part of the Bunsen burner rotates to change the air hole size?		collar
12. What colour is the flame when the air hole is fully open?		blue
13. The yellow flame isn't used for heating – give a reason not?		dirty / not very hot
14. What is the yellow flame sometimes called because it is easily seen?		safety flame
15. Soil, air, and cola are all eg of elements, compounds, or mixtures?		mixtures
16. A substance that can dissolve in a solvent is said to be ____ .		soluble
17. A solution in which no more solid will dissolve is ____ .		saturated
18. An insoluble mixture, eg flour and water, is called a ____ .		suspension
19. Separation technique that uses a funnel and paper.		filtering / filtration
20. The only 3 magnetic metals are cobalt, nickel and ____ .		iron
21. Technique separating liquid from solid particles by pouring off the liquid.		decanting
22. A technique that uses paper to separate the colours, for eg, in inks.		chromatography
23. Separation technique that could separate water from sea water.		distillation
24. Word that means gas turns into liquid.		condense
25. When salt dissolves in water, the water is the <i>solute</i> / <i>solvent</i> .		solvent
26. Name for very pure water sometimes used in science.		distilled
27. The name for the insoluble “stuff” left in a filter paper is <i>filtrate</i> / <i>residue</i> .		residue
28. Scientific diagrams should be 2D, fully labelled and drawn in ____ .		pencil
29. Metal “stand” with 3 legs that things are placed on for heating.		tripod
30. Name of “bigger” tube used for heating small amounts of liquids.		boiling tube

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31. The colour of copper sulfate solution is ____ .	blue
32. The name of the flame used for the fastest & most intense heating.	blue / roaring
33. Sugar dissolves in water: Sugar is the <i>solvent</i> / <i>solute</i> / <i>suspension</i> .	solute
34. Substances that don't dissolve in water are described as ____ .	insoluble
35. A ____ could be used to separate iron and copper screws.	magnet
36. What is the name for the "chimney" of the Bunsen burner?	barrel
37. Name for scientific guess / prediction that can be tested.	hypothesis
38. What name describes the sound of Bunsen flame with air hole half open.	quiet
39. The liquid passing through a filter paper is called the <i>filtrate</i> / <i>residue</i> .	filtrate
40. What instrument is used for measuring temperature in the laboratory?	thermometer
41. The freezing and boiling point of water are ____ & ____ °C.	0 & 100
42. The _____ of 45, 32, 48 and 41 is 41.5 (add up numbers and ÷ 4).	average
43. What you are trying to do / find out in an experiment.	aim
44. Numbers collected as part of results in an experiment.	data
45. Curve in the surface of a liquid in a container eg beaker.	meniscus
46. Name for the lines and numbers eg on a ruler or a thermometer.	scale
47. The volume of an object can be found by the ____ of water method.	displacement
48. mL, g, cm, and °C are all examples of ____ attached to measurements.	units
49. Solid formed by regular arrangement of particles.	crystal
50. Another name for gas, eg water boils and turns into water ____ .	vapour
How did I get on? ☹️ _____ 😊 _____	Tick how you feel about your performance

N M S E N F U N N E L R N Q Q
 O O J A H E S Q E E C O S T T
 I R I D F U S V L R F A O N R
 T E F T G E L N Y W W R L S E
 A T F N A O T S U O E I U U O
 R L V I S L T Y L B G N T S B
 O I E S C A L L T W L G E O R
 P F I U L O E I T N E V L O S
 A D C F L Y N H T O L E L M D
 V Z B L I B U I L S K S A L F
 E F X W E L X B C L I G N P P
 J H Q N R K M P X A N D S Z H
 I W H G Z M Z T V E L D N O I
 S O L U T I O N T B U B G N B
 M O B C O W P P L U T R M S V

BLUE
 BUNSEN
 CONICAL
 CRYSTAL
 DISSOLVE
 DISTILLATION
 EVAPORATION
 FILTER
 FLASK
 FUNNEL
 MAGNET
 ROARING
 SAFETY
 SOLUTE
 SOLUTION
 SOLVENT
 YELLOW

