



PEAKHURST CAMPUS

SCIENCE

Year 7

Half Yearly Test - 2022

Class / Date of test: 7Y, 7T Monday 9th of May 2022,
7G, 7I, 7P, 7V, 7B, 7R, 7O – Tuesday 10th of May 2022

Weighting: 20%

Task information:

This is a test of what you have learnt in the topics Science is.... and Mixtures. You can use the Science is ... tick-summary sheet and the Mixtures tick-summary sheet to help prepare for this test. Both are found on the reverse of this page.

You will also be tested on the meanings of key words for these two topics. You need to know the meanings of the key words and be able to spell them correctly. The words to be tested are listed below (40 in total).

You will need to have a pen, pencil, rubber and ruler with you for the test. You will not be allowed to borrow equipment during the test.

Absence: If you are absent on the day of your test, you must bring a note from a parent/guardian explaining your absence and report to your Science teacher on the day you return to school. A suitable time will then be organised for you to do the test.

Science Year 7 Spelling Words

observations	thermometer	procedure	chemicals
beaker	experiment	gauze mat	crucible
Bunsen burner	inference	tripod	mass
measurement	conclusion	test-tube	weight
tongs	method	measuring cylinder	safety
liquid	filter funnel	evaporating basin	watch-glass
aim	unit	flame	instructions
touch	taste	sight	hear
smell	hazard	meniscus	volume
litre	metre	second	kilogram

Science is

Tick the box when you can:

- 1. identify and know the function of the following pieces of laboratory equipment: beaker, tripod, measuring cylinder, wire gauze, filter funnel, retort stand, Bunsen burner, test-tube, test-tube holder, watch glass, tongs, conical flask, evaporating basin, crucible
- 2. draw scientific diagrams of the above mentioned equipment.
- 3. use your senses to make accurate observations.
- 4. list the units of measurement used by scientists.
- 5. accurately measure length, volume, temperature and mass of objects.
- 6. label the parts of a Bunsen burner.
- 7. light a Bunsen burner safely.
- 8. write a procedure for an experiment.
- 9. briefly outline the work of a scientist you have studied.

Mixtures

Tick the box when you can:

- 1. define a 'mixture' and a 'pure substance';
- 2. list some examples of mixtures.
- 3. define the terms soluble, insoluble, solvent, solute, solution.
- 4. identify substances as either solvent, solute or mixture.
- 5. describe how the following separation techniques work; filtration, sedimentation, evaporation, condensation, crystallisation, chromatography, magnetic separation and distillation.
- 6. identify which separation technique(s) are appropriate for a given situation.