

## Revision – Investigative Skills Answers

- 1) A
- 2) C is the proper hypothesis as it is the most educated guess before an experiment was conducted
- 3) a) Lots of options
  - She could use the same flavour of ice cream
  - She could have placed the ice cream in the same sized cups that are also identical to each other in every way.
  - Charlotte could measure the volume of the ice-cream both before and after melting

b) She could measure the amount of ice cream more accurately by using a measuring cylinder

c) She could repeat the experiment at least 5 times and find the average.
- 4) b) 60°C
- 5) d)
- 6) a) independent variable is the brand of washing powder and the dependent variable was the height of the foam produced
- b) She used 1 T of each washing powder, the volume of the measuring cylinder and the volume of warm water
- c) Instead of using 1 tablespoon, she should have used a 10 mL measuring cylinder, the temperature of the warm water, the length of time for which the cylinder was shaken, ensure cleanliness, same material used for measuring cylinders (glass or plastic, brand new or used, cleaned by hand or dish washer), use same ruler each time etc