

BTEC Applied Science Extended Certificate – summer work 2018

These tasks will help to bridge the gap between the knowledge required at GCSE and that required at level 3 BTEC. You will need to carry out some research to enable you to complete these tasks. The work will need to be handed in at the beginning of year 12.

You must

- Research and briefly describe;
 - 3 types of chromatography.
 - 3 methods of measuring temperature (types of thermometer).
 - 2 methods of measuring pH.

You should

- State the main advantages and disadvantages of each of the method you have described.

You could

- Explain how thin layer chromatography works.
- When a substance cools and changes from a liquid to a solid the behaviour of the particles change. Describe what happens to the particles in a substance;
 - As the liquid cools.
 - As the liquid changes to a solid.
 - As the solid cools.
- Acids have a low pH and alkalis have a high pH. Explain what causes pH.