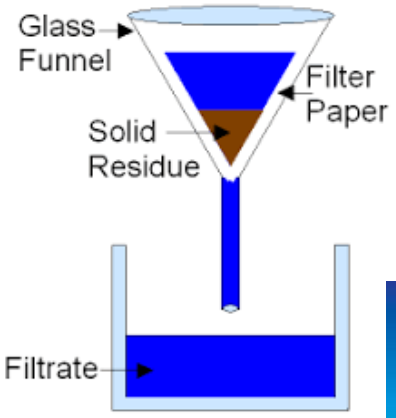
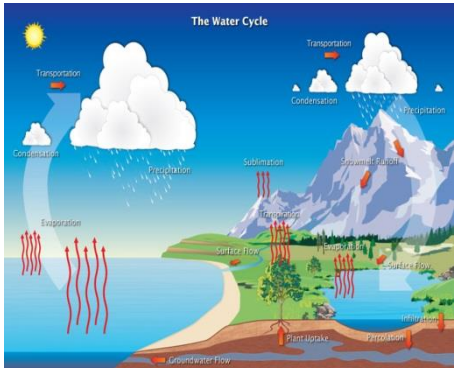
PEMBRIDGE CE PRIMARY SCHOOL LEARNING JOURNEY KEY

Pembridge is a school where we encourage everyone to be inspired through faith in God and to live by Christian values so that our teaching and learning is of the highest quality, our whole community flourishes and we reflect all that is worthy of praise.

SUBJECT: Science	YEAR: A	TERM: Spring 2	YEAR GROUPS: 5/6

KEY QUESTION: Can materials really vanish?

Question	Vocabulary to use	Information which will help me	Can I…?
What are the common properties of solids, liquids and gases? What are mixtures and how can materials be recovered from them? How can we investigate solubility? How can new materials be made? How can we explain how new materials can be made and when this happens, can the original materials be recovered?	burn Celsius change change of state chemical change combine condensation condense dissolve evaporate evaporation filter filtration melt mixture non-reversible oxidation oxygen particles physical change process products properties reversible separate soluble solute	  Important processes in the water cycle are evaporation and condensation. What change is happening to the bread and why? What does dissolving mean?  Oxidation in action.	• Explain in scientific terms, the differences between solids, liquids and gases. • Recognise the difference between solutions and mixtures and explain the ways in which they are usually separated. • Investigate materials and their solubility and use findings to make further predictions.. • Through experimentation, describe some ways in which new materials are made and explain the evidence for this. • Describe some of the processes involved in the making of new materials and why the changes are irreversible.

The Water Cycle

Evaporation	Condensation	Precipitation	Run off	Collection