**Water Cycle Review notes 4-5**

**Variations in run-off and river regimes**

**What is river discharge? How is it calculated?**

**What is the river regime? Describe the differences in the regimes of two rivers. Draw simple graphs for each.**

**Outline the factors which account for variations in runoff:**

**Type/intensity of precipitation**

**Climate**

**Soil water and saturation**

**Rock type**

**Human activities**

**Which do you consider most important and why?**

**The storm hydrograph**

**Find or draw a copy of a storm hydrograph. Label and describe the features of the storm hydrograph:**

* **Rising limb**
* **Peak discharge**
* **Lag time**
* **Receding limb**
* **Base flow**
* **Bankfull discharge**

**Explain what is meant by flashy or subdued hydrograph. Draw a simple hydrograph for each.**

**Produce a mindmap or spider diagram to explain the role of human and physical factors which help determine the shape of the hydrograph and length of lag time.**

**Rank the factors in order of importance and justify your choices.**