**Water in the World**

Key question

Why does the spatial distribution of water vary globally and within countries?

Using pages 234- 235 of your text to help you.

Water is an example of a renewable resource. A renewable resource is one that can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

The amount of water has not changed since the beginning of time and this means there is a fixed amount.

Why is water viewed as renewable?

In the space below draw a modified version of the Water cycle. Be sure to include labels.

|  |
| --- |
|  |

**Describe the water cycle**: Use page 234 of the textbook to help you

Add **three new definitions** from the water cycle diagram to your glossary.

**Challenge question**: With the global population increasing by about 78 million people each year what problems could this cause? Discuss with a partner and record three to four points

**What factors affect water availability?**

**How come some places are wetter or drier that others??? Use pages 241- 242 to help you**

**Reason 1: Latitude -use the diagram Fig 1 on page 242 to help you. Draw a picture to show your answer.**

**Reason 2: Altitude**

**Reason 3: Ocean Currents**

**Reason 4: Distance from the sea**

**Reason 5: Geology**

**Reason 6: Topography (copy Figure 2 from page 242 to help explain this)**

**Reason 7: Climate change**

Extension**: Study the map on page 243 showing Observed evidence of Climate change.**

**Describe 5 examples of how climate change will impact water availability form the diagram.**

**Super challenge for a positive: Name three locations that are expected to receive more rainfall due to climate change.**