Worksheet 1

1 Changing river environments

**1.1 The main hydrological characteristics and processes that operate in rivers and drainage basins**

**A diagram of a river

AI-generated content may be incorrect.**

**Figure 1** The features of a drainage basin

1 Make a list of key definitions you need to know for this topic. Include definitions of the key terms in the table below.

|  |  |
| --- | --- |
| **Key term** | **Definition** |
| Watershed |  |
| Source |  |
| Mouth |  |
| Confluence |  |
| Tributary |  |
| Channel network |  |
| Drainage basin |  |
|  |  |
|  |  |
|  |  |

2 Look at Figure 1.

a Describe and explain the changes in gradient expected between the source and mouth. Use evidence from the colour key on Figure 1.

b Describe three different sources of a river.

c Draw your own fully labelled diagram of a drainage basin.

3 How does the drainage basin operate within the water cycle? Write a paragraph to answer this question. In your response, use figures from Topic 1 page 7 to explain how much water is held in each state within the global hydrological cycle.