**Year 10 GCSE Geography: Middle Course Landforms**

**Middle course landforms are created by EROSION and DEPOSITION. They include meanders and ox-bow lakes. Use page 73 to help you with these tasks:**

**Meanders**

Look at this diagram and read the section on meanders and ox-bow lakes at the top of page 73.

1. What is a meander?
2. On which side of the meander is the fastest flow?
3. Erosion will take place where flow is fastest. Explain the types of erosion that will act on the outside bend.
4. A river cliff forms on the outside bend. Explain how a river cliff is formed.
5. On which side of the meander is the slowest flow?
6. A slip-off slope forms on the inside bend of a meander. Explain the formation of a slip-off slope.
7. On this diagram, draw a line to show the fastest flow in the river.
8. Shade the eroded area in one colour.
9. Shade the area where deposition will take place in another colour.
10. Add labels to show where a river cliff and a slip-off slope would form.
11. Explain what happens to meanders over time.

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**Ox-bow Lakes**

1. Use the three diagrams above and the information on page 73 to explain (in detail) how ox-bow lakes form on meanders. Don’t forget to explain both erosion and deposition!
2. Floodplains form around meanders in the middle and lower course. Explain the formation of a floodplain.
3. Levees form around meanders in the middle and lower course. Explain the formation of a levee.