



# Rivers and waterfalls



Name: ..... Class: ..... Date due: .....

Choose activities totalling at least 10 points from the selection below. Circle your choices on this sheet. Attach the results (and printouts of online activities) to this sheet and pass it to your teacher by the due date.



**1. Answer Challenge questions** • Answer all Challenge questions from Rivers and Waterfalls — page 9 of the *Atlas of Discovery*. **Three points**



**2. Draw a picturegraph** • Look at the graph of rivers on page 8 of the *Atlas of Discovery*. Draw a similar graph to show the world's highest waterfalls on each continent: Tugela (Africa) 850 metres; Gersoppa (Asia) 253 metres; Tin Mine (Australia) 360 metres; Utigord (Europe) 800 metres; Yosemite (North America) 739 metres; Angel (South America) 979 metres. **Three points**



**3. Complete a worksheet** • Download the Floods in Europe worksheet ([www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html](http://www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html)) and analyse the 2002 flood disaster in Europe. **Three points**



**4. Complete a worksheet** • Download the River Systems worksheet ([www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html](http://www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html)) and learn more about the features of a river system. **Three points**



**5. Draw an Australian landforms map** • Download the Australian Landforms worksheet ([www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html](http://www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html)) and follow the instructions. **Four points**



**6. Write a story** • Download the Flood! worksheet ([www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html](http://www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html)) and use the instructions to prepare an adventure story about a flood. **Seven points**



**7. Design a poster** • Create a poster that provides an illustrated guide to the different stages of a river's life — from its youth when it flows quickly to erode a V-shaped valley, to middle age when it reaches flatter land and begins to meander, and finally old age as it nears its mouth and deposits its load of silt. Provide a large diagram that shows the life of the river, plus labels and photographs to show the features at each stage of its life. The diagram of a river system on pages 8 and 9 of the *Atlas of Discovery* will provide a starting place for you. **Seven points**



**8. Conduct an experiment** • Download the Soil Erosion Experiment worksheet ([www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html](http://www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html)) and use the instructions to prepare an experiment to show how rivers erode the soil as they wind towards the sea. **Seven points**