



World climate



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 World Climate — page 11 of the *Atlas of Discovery*. **Three points**



2. Answer Challenge questions • Answer all Challenge questions from Weather and Climate — page 57 of the *Atlas of Discovery*. **Three points**



3. Create a cartoon • Look at the cartoons on page 10 of the *Atlas of Discovery*. Draw a similar cartoon to represent one of the following Australian climate records:
Hottest recorded temperature — Cloncurry, Queensland, 53.1°C
Lowest recorded temperature — Charlotte Pass, New South Wales, -22°C
Wettest day — Beerwah, Queensland, 907 mm **Three points**



4. Draw an alien climograph • Download the Alien Climographs worksheet (www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html) to prepare a climograph for the planet of Xerxxes. **Four points**



5. Prepare an Australian rainfall map • Download the Choropleth Mapping Skills worksheet (www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html) and follow the instructions to prepare a choropleth map of Australia's January rainfall. **Four points**



6. Record the sounds of weather • Download the Storm Sounds worksheet (www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html) and follow the instructions to produce a range of sound effects to simulate the sounds of a storm. **Five points**



7. Write a children's book • Research and prepare an illustrated children's book that explains the different types of clouds and the different types of weather each brings. Cloud types that you will explain are cumulus, cumulonimbus, stratus, cirrus, altocumulus and stratocumulus. Your book needs to have lots of illustrations (photographs, cut-outs from magazines, or drawings), and the text must be simple. You may choose to use simple rhyming verse as your text. For example:

When the day is dull and grey
And light rain falls about us
I look up in the sky and know
The clouds up there are stratus.

Seven points



8. Prepare a weather watch report • Download the Watch the Weather worksheet (www.jaconline.com.au/atlasofdiscovery/links/learningcentres.html) and follow the instructions to report on the weather in your area over a week. **Seven points**