# Air and water: reading record.

Name: Class: Date:

Keep one record per group. Write who held each role for each reading, then the group's best question and summary. Swap roles for each new reading.

## EVERY READING Our roles

**a Who led each strategy in each reading.**

| READING | PREDICTOR | CLARIFIER | QUESTIONER | SUMMARISER |
|---|---|---|---|---|
| 1 The oxygen story | | | | |
| 2 Layers of the air | | | | |
| 3 Ozone and albedo | | | | |
| 4 The greenhouse effect | | | | |
| 5 Moving air | | | | |
| 6 Where the water came from | | | | |
| 7 An unusual liquid | | | | |
| 8 Oceans and climate | | | | |

**b After Readings 4 and 8: one thing our group did well in the talk, and one thing to improve.**

## EVERY READING Starters for each role

**Use these to lead your part of the talk.**

| ROLE | STARTERS |
|---|---|
| **Predictor** | I think this part will be about … because the heading says … / Last time we read …, so next … |
| **Clarifier** | I am not sure what … means. Let's reread the sentence, check the word list or look at the diagram. |
| **Questioner** | Why does …? What would happen if …? How is … different from …? What is the evidence for …? |
| **Summariser** | The main idea of this part is … The most important details are … Did I leave anything out? |

## READINGS 1 TO 4 Questions and summaries

**a** **Reading 1, the oxygen story. Our best question and its answer, then our summary.**

**b** **Reading 2, the layers of the air. One line for each layer: where it is, what the temperature does, and why.**

**c** **Reading 3, ozone and albedo. The ice feedback as a chain, starting with “The Arctic warms”.**

**d** **Reading 4, the greenhouse effect. Our three-sentence summary.**

**e** **Draw and label the energy diagram: 100% in, 29% reflected, 23% absorbed by the air, 48% absorbed by the surface, infrared from the surface, and radiation back down from greenhouse gases.**

## READINGS 5 TO 8 Questions and summaries

**a** **Reading 5, moving air. Why the Wet Tropics coast is so wet, and why most of Brisbane's rain falls in the warmer months.**

**b** **Reading 6, where the water came from. The two theories and one piece of evidence for each.**

**c** **Reading 7, an unusual liquid. Our "What would happen if..." question and its answer.**

**d** **Reading 8, oceans and climate. Our best question linking the oceans to Queensland's water, and its answer.**

## READING 8 The Pacific

**a** **Sketch the tropical Pacific from Australia to South America in a neutral year. Show the trade winds, the warm water, the thermocline and where the air rises. Then add arrows to show what changes in an El Niño.**