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 Adelaide gets most of its rain in winter and Darwin in summer.

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 water in South Australia or the Northern Territory, 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.