Year 11 Science: A science idea in Aotearoa: carbon dioxide and a more acidic ocean

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Your turn: an exam-style question

Use this lesson as your resource. Focus on two features: responding to needs and opportunities, and repeatable, checkable data.

1. Give one example of a need or an opportunity that helped start the Baring Head record. (Achieved)

2. Give one way the Baring Head team made their data repeatable and checkable. (Achieved)

3. Why was repeatable, checkable data significant for this idea? (Merit)

4. How did needs and opportunities and repeatable data work together to develop the idea? (Excellence)

Fix the mistake

5. Correct this statement: "The pH only fell from 8.09 to 8.06, so the ocean has hardly changed."

6. Correct this statement: "The ocean is becoming acidic, so its pH is now below 7."

7. Correct this statement: "Baring Head proves that the ocean is acidifying."

8. Correct this statement: "Existing models: Dr Currie used her earlier pH readings."