Year 12 Science: Sea-level rise in Aotearoa: an issue and its sources

Name: _____ Date: _____

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

Practice

1. Auckland's sea level rose 2.54 mm a year from 1961 to 2020. How much is that over the 60 years, in centimetres?

2. Dunedin's rate rose from 0.69 to 1.76 mm a year. How many times faster is the later rate, to one decimal place?

3. The ocean near a town rises 3 mm a year, and the land there is being pushed up by 1 mm a year. What relative rise does the town's tide gauge record?

4. Which is more valid evidence of the national trend: 120 years of tide-gauge records, or a homeowner's two photos of a beach 30 years apart?

5. Give one Earth and Space Science point against a nationwide ban on new coastal homes.

6. What lifts a Merit position to Excellence?

Fix the mistake

7. Correct this statement: "Stats NZ is valid because it is a government website."

8. Correct this statement: "Melting sea ice is a main cause of sea-level rise."

9. Correct this statement: "I only included evidence for my side so my position looks stronger."

10. Correct this statement: "The sea is rising the same amount everywhere in New Zealand."