Year 11 Science: Science claims: who is saying it and why

Name: _____ Date: _____

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

Practice

1. A Facebook post from a fitness influencer says a protein powder "burns fat while you sleep" and gives a discount code. What is the main purpose?

2. A university research team publishes a study on kauri dieback in a peer-reviewed journal. Who is the source?

3. A news site runs a story that, at the bottom, says it was supplied by the company that makes the product. Who is the source?

4. A company paid for a study showing its toothpaste whitens teeth. Name the convention this raises, and its effect on the claim.

Exam-style question: a sunscreen advert

Resource: SunShield Ltd's website says "Our new SPF 50 lotion is scientifically proven to block 98% of UVB rays. Dermatologist tested. Trusted by 10,000 Kiwi families." A footnote says the lab test was done on 20 volunteers by a lab SunShield hired, and was not published in a journal. There is a "Buy now" button.

5. (a) Who published this information?

6. (b) Why was it published?

7. (c) State one science-related claim the resource makes.

8. (d) Identify the science language or conventions used to support the claim.

9. (e) How well do they support the claim? Use evidence from the resource.

Fix the mistake

10. Correct this statement: "The source is Google, because that is where I found it."

11. Correct this statement: "The company sells the product, so the claim is false."

12. Correct this statement: "It was peer reviewed, so it is proven."

13. Correct this statement: "I know from experience that honey does not work, so the claim is wrong."