

# Questions for discussion

Episode 3 23<sup>rd</sup> February 2016

# **Nuclear Dump**

- 1. Before you watch the Nuclear Dump story, predict what you think the story is about.
- 2. What is uranium?
- 3. Finish the following sentence: Nuclear waste is...
- 4. What type of energy does nuclear waste release?
- 5. Why is it dangerous?
- 6. How does nuclear waste need to be stored?
- 7. In which state are they proposing that nuclear waste be stored?
- 8. What are the benefits of a nuclear waste dump?
- 9. Why are some people worried about the idea?
- 10. What do you think? Should Australia have a nuclear waste dump? Explain your answer.

Check out the <u>Nuclear Dump resource</u> on the Teachers page Vote in the Behind the News <u>online poll</u>

#### **Gravitational Waves**

- 1. What was the main point of the Gravitational Waves story?
- 2. Who predicted the existence of gravitational waves 100 years ago?
- 3. Finish the following sentence: If something big happened in space, like a star exploded then...
- 4. Gravitational waves can be felt and seen. True or false?
- 5. What did scientists around the world build to look for gravitational waves?
- 6. Describe the recent gravitational waves discovery.
- 7. How will gravitational waves help scientists understand the universe?
- 8. What do scientists believe the discovery of gravitational waves could lead to?
- 9. What did you learn watching the *Gravitational Waves* story?
- 10. What questions do you have about gravitational waves? Working in pairs, research a question and share the information with the class.

Write a message about the story and post it in the comments section on the story page.

### Earthquake Anniversary

- 1. Where in New Zealand was the earthquake in 2011?
- 2. What magnitude was the earthquake?
- 3. Describe the damage the earthquake caused.
- 4. There are still whole suburbs in Christchurch known as red zones. What does that mean?



- 5. Why did the kids in the BtN story need to leave their school?
- 6. What might happen to their old school? Why?
- 7. Why are parents and students unhappy about what might happen?
- 8. Describe the earthquake that happened in Christchurch recently.
- 9. How do the students prepare for earthquakes at their school?
- 10. What do you understand more clearly since watching the BtN story?

Check out the Earthquake Anniversary resource on the Teachers page.

# Leap Year

- 1. In your own words, explain what a leap year is.
- 2. What is special about the 29<sup>th</sup> February?
- 3. What is a leapling?
- 4. How often do leap years happen?
- 5. When was Evette born?
- 6. When does she celebrate her birthday?
- 7. Finish the following sentence: About one in every \_\_\_\_\_ people in the world have a leap day birthday.
- 8. Why do we have leap years?
- 9. Who introduced the idea of a leap year?
  - a. Winston Churchill
  - b. Julius Caesar
  - c. The Easter Bunny
- 10. What was surprising about this story?

Write a message about the story and post it in the comments section on the story page

### The Wombat Carer

- 1. Explain the BtN story to another student.
- 2. What type of animal is a wombat?
  - a. Reptile
  - b. Marsupial
  - c. Monotreme
- 3. Why are Emily and her mum looking after wombats?
- 4. Describe what they do to look after them.
- 5. Why do they raise the wombats together?
- 6. Wombats can be kept as pets. True or false?
- 7. Think of three words that describes a wombat's behaviour.
- 8. When does Emily release the wombats into the wild?
- 9. Illustrate an aspect of the Wombat Carer story.
- 10. What did you like about this story?

Do the quiz on the BtN website

