

Electricity & Safety Unit

Teachers notes - Lesson 2 - Slide 23-31

Electricity safety quiz answers

1. **Answer is B.** Emergency phone number is 000.

2. **Answer is B.** Tell an adult immediately, so they can turn off the main power switch. It is not recommended that students approach the meter box without adult supervision.

3. **Answer is C.** Dry powder extinguisher. It is important to emphasise that water and waterbased extinguishers should not be used because water is a conductor of electricity.

4. **Answer is C.** When birds are only touching one wire and nothing else, the electricity cannot make a circuit.

5. **Answer is B.** Students should stay away from the substation and tell an adult. Substations contain special equipment with invisible hazards. You don't even have to touch anything to get hurt. Just being too close to some substation equipment can be dangerous and may even kill you. The adult can ring the electricity provider to see if they have an expert who can safely retrieve the ball.

6. **Answer is A.** Turn off the toaster, unplug it and once it has cooled down, turn it upside down. Explain to students that metal is a conductor of electricity.

7. **Answer is C.** Both of the above. Tell an adult and stay at least 8 metres away from the fallen power line and anything it may be touching. You may like to practically demonstrate the distance of 8 metres. i.e. ask a student to stand in the playground and represent a fallen power line. Ask the other students to stand at least 8 metres away from the student. The teacher can then measure 8 metres to see if the students have an accurate understanding of the distance.

8. **Answer is A.** Tell your sister it is dangerous and that she should not use her hair dryer near water. If she wants to use the hair dryer in the bathroom, she should make sure the bath is empty. If not, she should move to another room where there is no water present.

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Electricity safety quiz answers (continued)

9. Answer is A. Tell your friend it isn't safe and that he shouldn't go near it.

10. Live electricity can travel down the string and seriously hurt you. Electricity poles and wires are all around us. They can be above us, next to us, and even below us. Play in open spaces away from electricity poles, towers and power lines.

11. Stacked power points with too many plugs connected to it can cause an electrical fire. Never stack power points. You should use a power board or have an extra power point installed by an electrician.

12. If you hit an underground power line, you could be electrocuted and interrupt power to your suburb. Remember – before you or your family do any major digging in the yard, your parents should ring Dial Before You Dig on 1100 to make sure there are no underground cables near your property.

13. They should be disconnected at the power point and fixed or replaced by an electrician.

14. Always be on the lookout for dangers in and around your home. This could be anything from a faulty electrical lead to a 'stacked' power point – one with too many plugs in it. These situations could be life threatening and an electrician should be called in to fix them.