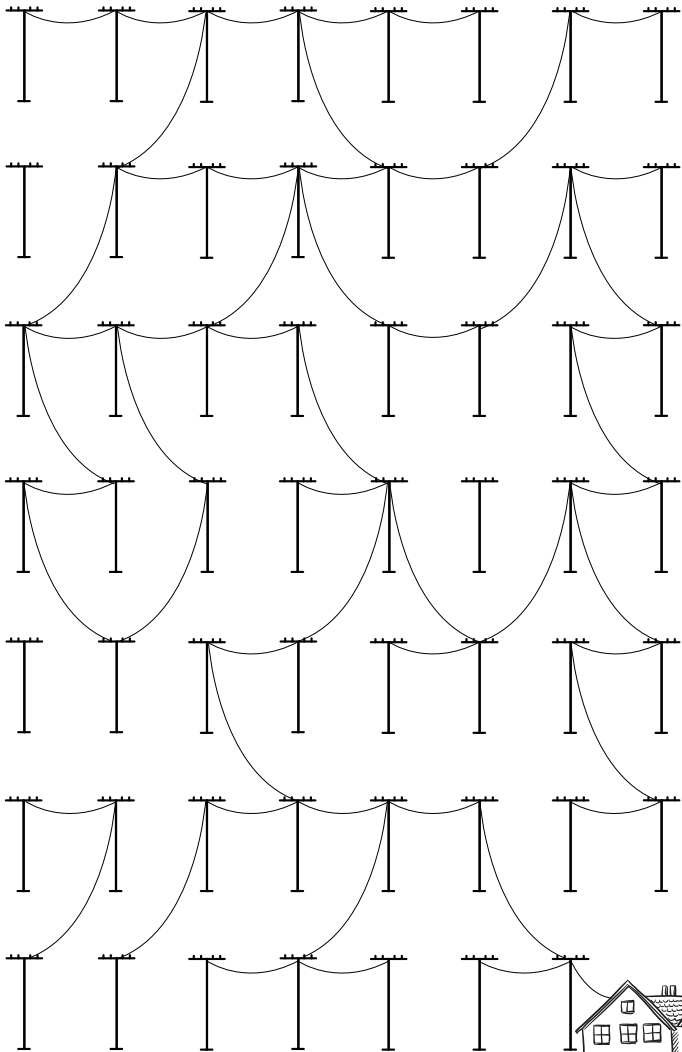




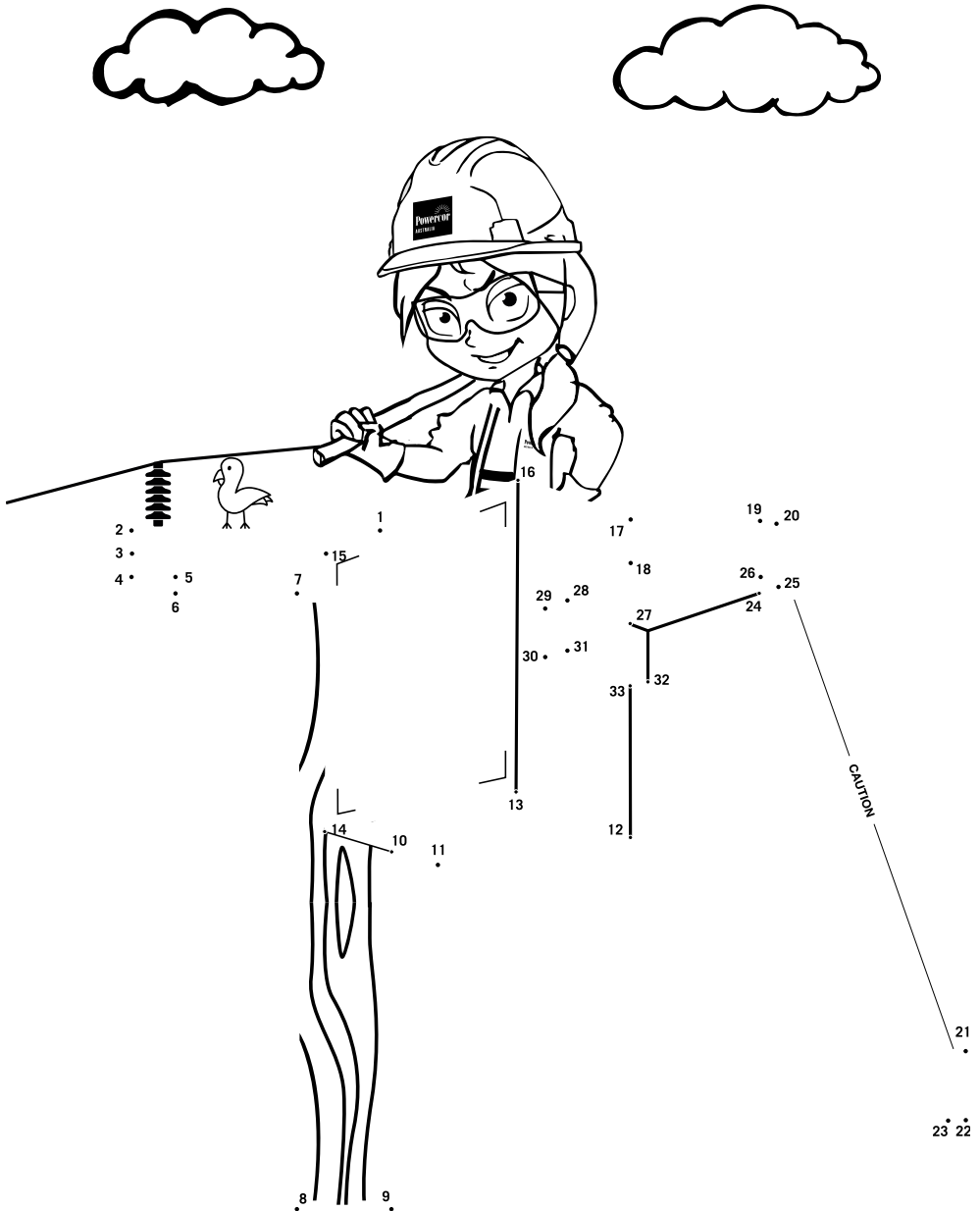
Max and Pippa's Electricity Activity Book



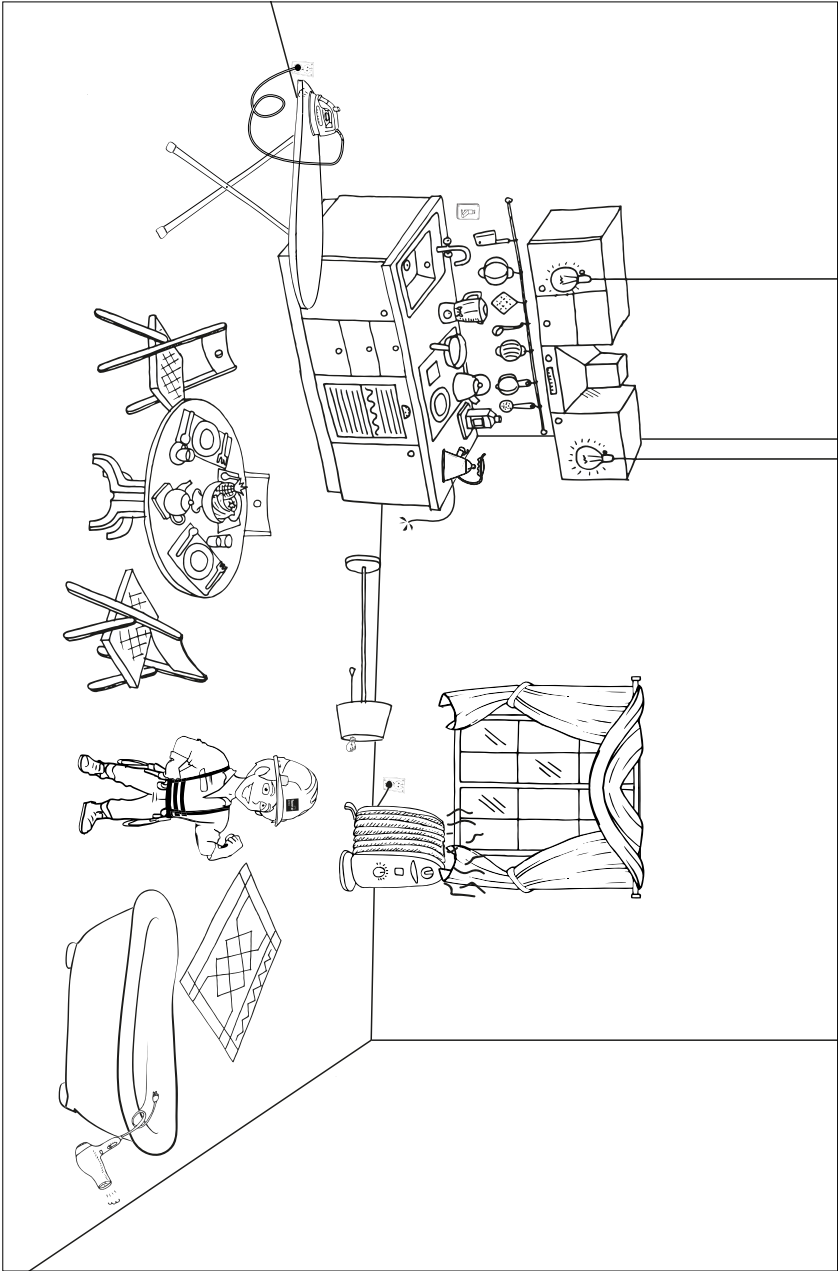
Follow the powerlines to help Max find his way to Mrs Smith's house to fix the electricity supply.

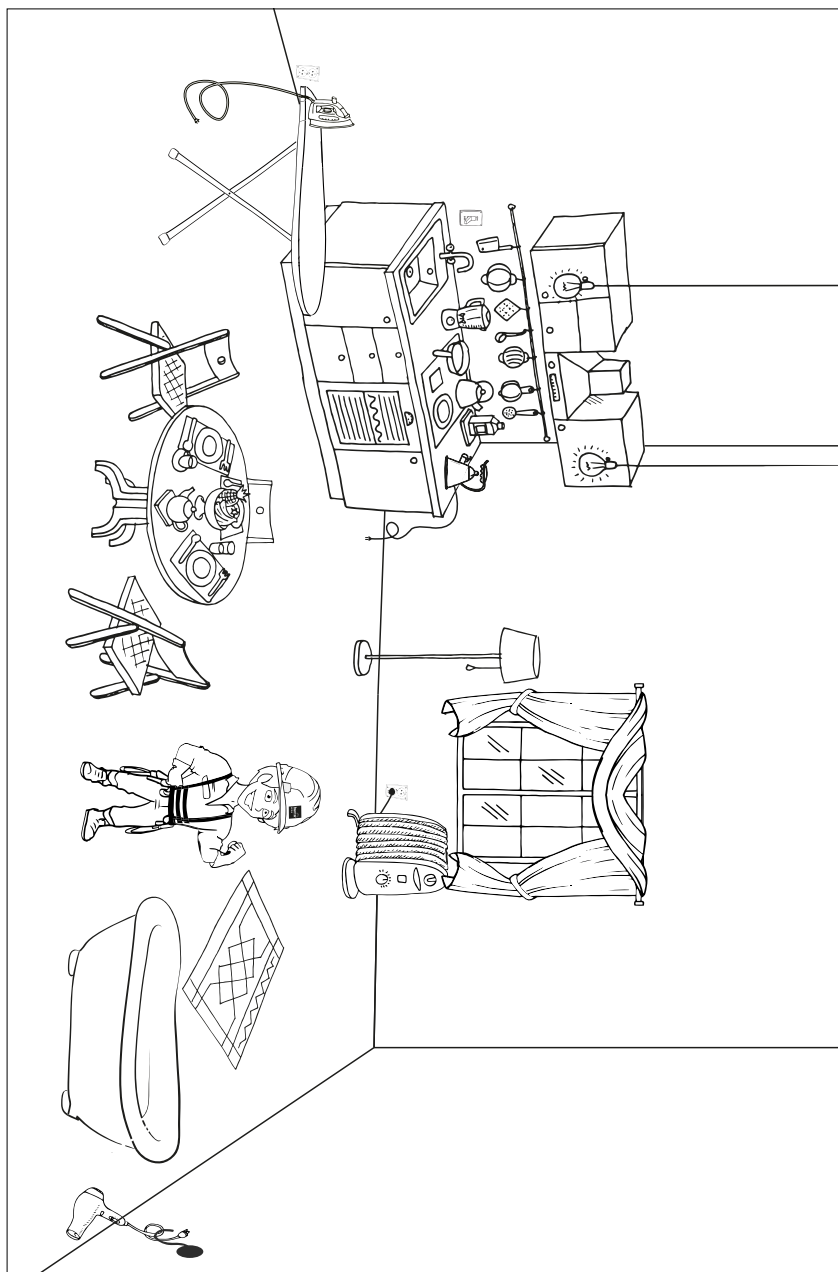


Connect the numbers to see Pippa in the bucket she uses to check powerlines.



**One of these rooms is unsafe.
Find the five electrical hazards.**





**Find the names of things you'll see
in an electricity network.**



Find the names of things you'll see in an electricity network.

Poles

Fuse

Circuit

Wires

Cross arm

Electricity

Insulators

Conductors

Grid

Liney

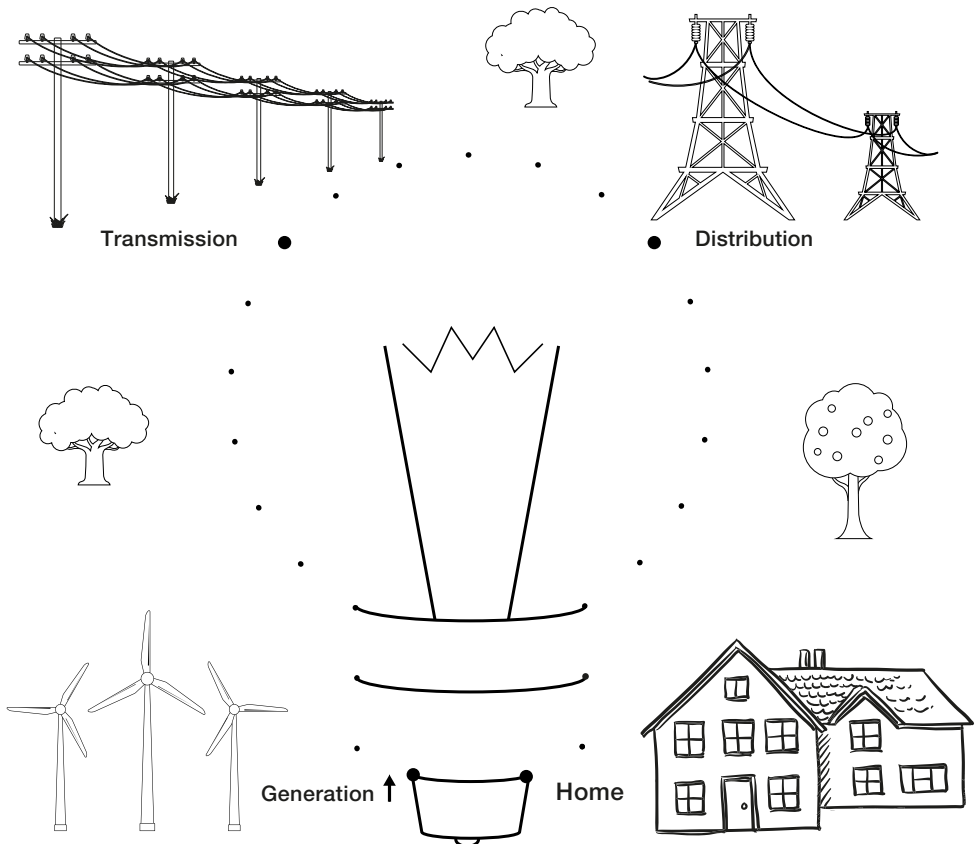
Volts

Substation

Colour in the electricity supply chain

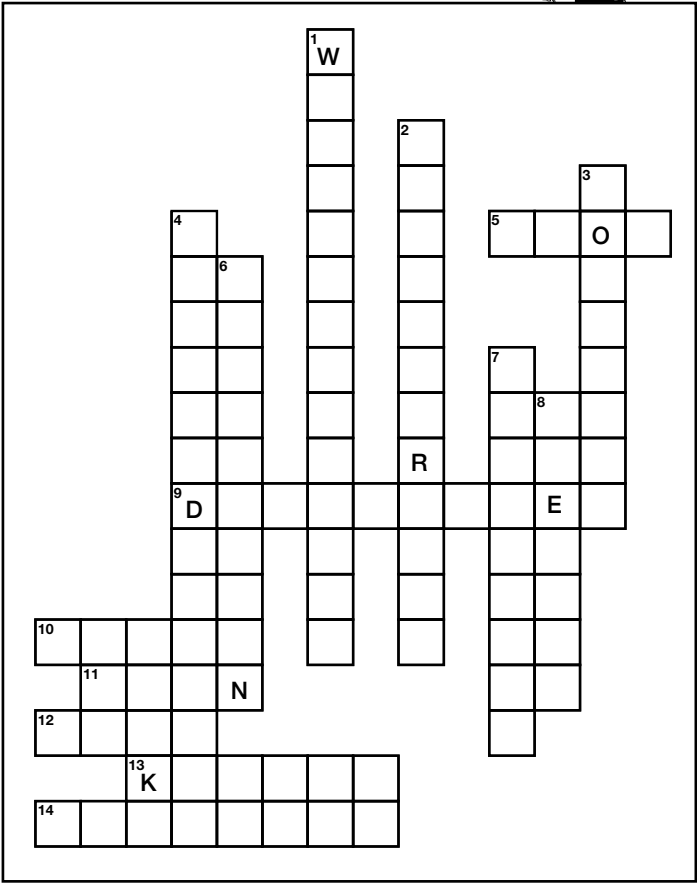
Find a way to light up your home by following the path connecting the electricity distribution chain in order from start to finish. How does electricity get from the generator to your home?

- 1. Generation:** Power stations generate electricity from primary sources such as coal, wind and sun.
- 2. Transmission:** Transmission networks move the electricity from the power stations to the distribution networks.
- 3. Distribution:** Carries electricity to its final destination, such as your home or business. Powerlines are often visible along the sides of roads, and sometimes they're underground.
- 4. Homes:** Every building that uses electricity has a meter for measuring use and a switchboard for dividing the electricity up into circuits for each area of the building.





Crossword



Across

- 5 Something you play games on
- 9 Cleans glasses and plates
- 10 For listening to music
- 11 Presses clothes
- 12 Cooks your food
- 13 Boils water for a cup of tea
- 14 To tell you when someone is at the front door

Down

- 1 Cleans dirty clothes (7,7)
- 2 It keeps your food cold
- 3 Something that is used for homework
- 4 Cools or heats the air (3,11)
- 6 You watch your favourite shows on this
- 7 Allows you to see in dark rooms
- 8 A place to keep ice-cream from melting

- | | |
|-----------------|---------------|
| Freezer | Doorbell |
| Light bulb | Kettle |
| Television | Oven |
| Air Conditioner | Iron |
| Computer | Radio |
| Refrigerator | Dishwasher |
| Washing Machine | Xbox |
| Down | Across |