

Periodic table quiz for kids: answers

For the grown-up. Each answer below sits where its question sits on the question sheet.

Element symbols

1. **False. Iodine is I**
2. **S**
3. **Oxygen**
4. **Lithium**
5. **Be**
6. **Fe**
7. **Gold**
8. **Tin**

Solids, liquids, gases and what elements are used for

9. **False. Hydrogen is a gas**
10. **True. Nitrogen is a gas**
11. **Calcium**
12. **Carbon**
13. **True**
14. **Gas**

Atomic numbers

15. **15**
16. **5**

What the game says after each answer

1. **False. Iodine is I.** Iodine is a purple-black solid. Warm it and it gives off a violet vapour, which is how it got its name.
2. **S.** Sulfur is a yellow element found around volcanoes. In old stories it was called brimstone.
3. **Oxygen.** Oxygen is the most common element in Earth's crust. Most of it is locked up in rocks and sand.
4. **Lithium.** Lithium is the lightest metal of all. It powers the rechargeable batteries in most phones.
5. **Be.** Beryllium is named after the gemstone beryl. Emeralds are a green kind of beryl.
6. **Fe.** Steel is mostly iron, and so is Earth's core. Fe comes from the Latin ferrum.
7. **Gold.** Gold never rusts or tarnishes, so ancient gold treasure still gleams. Au comes from the Latin aurum.
8. **Tin.** Bend a bar of tin and it makes a faint crackling sound called the tin cry. Sn comes from the Latin stannum.
9. **False. Hydrogen is a gas.** Hydrogen is the lightest element and the most common one in the universe. Stars are mostly made of it.
10. **True. Nitrogen is a gas.** About four fifths of every breath you take is nitrogen. Your body breathes it straight back out.
11. **Calcium.** Milk, cheese, yoghurt and green vegetables like kale are all good sources of calcium.
12. **Carbon.** A diamond is carbon with its atoms locked in an incredibly strong pattern.
13. **True.** Nickel is one of the few metals a magnet pulls on, along with iron and cobalt.
14. **Gas.** Chlorine is a yellow-green gas. A tiny amount in swimming pools kills germs.
15. **15.** Phosphorus is element 15, so every phosphorus atom has 15 protons.
16. **5.** Boron is element 5, so every boron atom has 5 protons.