Word Quest 2

List 14 · Science and technology

Vocabulary and example	Write it

acid n. /ˈæsɪd/

a chemical that can burn or dissolve things

Family: acids · acidic (adj.) **Use it with:** strong acid · weak acid **Tip:** Strong acids are dangerous; never touch them.

Lemon juice contains a weak **acid**.

atom n. /ˈætəm/

the smallest part of a chemical element

Family: atoms · atomic (adj.) **Use it with:** an atom of · split the atom

Everything around you is made of **atoms**.

carbon n. /ˈkɑːbən/

a chemical element found in coal, diamonds and all living things

Use it with: carbon dioxide · carbon footprint **Tip:** Carbon dioxide (CO_2) is the gas we breathe out.

Diamonds are made of pure **carbon**.

cell n. /sel/

the smallest living part of a plant or animal; also, a small room in a prison

Family: cells **Use it with:** blood cells · a prison cell

We looked at onion **cells** under the microscope.

chemistry n. /ˈkemɪstri/

the science of what substances are made of and how they change

Family: chemical (adj./n.) · chemist (n.) **Use it with:** chemistry lab · a chemistry lesson

In **chemistry** today, we made a volcano with baking soda.

copper n. /ˈkɒpə/

a soft red-brown metal used for wires and coins

Use it with: copper wire · a copper coin

Electric wires are usually made of **copper**.

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DNA n. /ˌdiː en ˈeɪ/

the chemical in every cell that carries the instructions for life

Use it with: a DNA test · DNA evidence **Tip:** Each letter is said separately: D-N-A.

Police found the thief's **DNA** on the glass.

electric adj. /ɪˈlektrɪk/

working by power from a battery or the mains; producing that power

Family: electricity (n.) · electrical (adj.) **Use it with:** an electric car · electric shock

My uncle bought an **electric** car.

electronic adj. /ɪlekˈtrɒnɪk/

using small electrical parts like computer chips

Family: electronics (n.) **Use it with:** electronic devices · electronic music

Phones, laptops and other **electronic** devices are not allowed in the exam.

experiment n./v. /ekˈsperɪmənt/

a scientific test to find out something

Family: experiments · experimented **Use it with:** do an experiment · a science experiment

We did an **experiment** to see which paper towel is strongest.

iron n./v. /ˈaɪən/

a strong hard metal; also, a tool to make clothes smooth

Family: irons · ironed **Use it with:** an iron gate · iron a shirt **Tip:** You also "iron" your clothes.

The old bridge is made of **iron**.

keyboard n. /ˈkiːbɔːd/

the set of keys you type on

Family: keyboards **Use it with:** type on a keyboard · a piano keyboard

My cat likes to sit on my **keyboard** when I'm doing homework.

Vocabulary and example	Write it

liquid n./adj. /ˈlɪkwɪd/

a substance like water that can flow

Family: liquids **Use it with:** a clear liquid · liquid soap

Water, milk and oil are **liquids**.

material n. /məˈtɪərɪəl/

what something is made of

Family: materials **Use it with:** building materials · natural materials

Wood is a good **material** for building furniture.

oxygen n. /ˈɒksɪdʒn/

the gas in the air that we need to breathe

Use it with: oxygen mask · lack of oxygen

Fish get **oxygen** from the water.

physics n. /ˈfɪzɪks/

the science of forces, energy, light and so on

Family: physicist (n.) · physical (adj.) **Use it with:** a physics lesson **Tip:** Ends in -s but is singular: "Physics is fun."

In **physics** we learned why ships float.

plastic n./adj. /ˈplæstɪk/

a light material made from oil, used for bags and bottles

Family: plastics **Use it with:** a plastic bag · plastic bottle

Too much **plastic** ends up in the sea.

powder n. /ˈpaʊdə/

very small dry grains of something

Family: powders **Use it with:** milk powder · washing powder

Mix the **powder** with water to make paint.

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Vocabulary and example	Write it

ray n. /reɪ/

a narrow line of light or energy

Family: rays **Use it with:** X-ray · the sun's rays

A **ray** of sunlight came through the curtains.

research n./v. /rɪˈsɜːtʃ/

careful study to find new facts

Family: researcher (n.) **Use it with:** do research · research on/into **Tip:** Usually uncountable: "some research", not "a research".

Scientists are doing **research** on new medicines.

steel n. /stiːl/

a very strong metal made from iron

Use it with: stainless steel · a steel bridge **Tip:** Sounds like "steal".

The building has a **steel** frame.

system n. /ˈsɪstəm/

a group of parts that work together

Family: systems **Use it with:** the solar system · a system for

The school has a new heating **system**.

technology n. /tekˈnɒlədʒi/

science used to make machines and tools

Family: technologies · technological (adj.) **Use it with:** new technology · modern technology

Technology has changed the way we learn.

update v./n. /ˈʌpdeɪt/

to make something newer, with the latest information

Family: updates · updated **Use it with:** an update on · software update

My phone needs to **update** its apps.

Vocabulary and example	Write it

wire n. /ˈwaɪə/

a long thin piece of metal

Family: wires · wireless (adj.) **Use it with:** electric wire · copper wire

Don't touch that **wire**: it's live!

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