Word Quest 6

List 10 · Science and technology 2

Vocabulary and example	Write it
illuminate v. /ɪˈluːmɪneɪt/ to light up; also, to make something clear **Family:** illuminates · illuminated · illumination (n.) Lanterns **illuminated** the street.	
insulate v. /ˈɪnsjuːleɪt/ to cover something to stop heat, sound or electricity passing through **Family:** insulates · insulated · insulation (n.) We **insulated** the roof to keep the house warm.	
kerosene n. /ˈkerəsiːn/ a fuel oil used in lamps and heaters **Tip:** British English often says “paraffin”. The old lamp burns **kerosene**.	
magnify v. /ˈmægnɪfaɪ/ to make something look bigger **Family:** magnifies · magnified **Use it with:** magnifying glass A microscope **magnifies** tiny things.	
meteorology n. /ˌmiːtɪɔːˈrɒlədʒi/ the scientific study of weather **Family:** meteorologist (n.) She works in **meteorology** at the weather centre.	
microbe n. /ˈmaɪkrəʊb/ a living thing too small to see without a microscope **Family:** microbes **Microbes** in the soil help plants grow.	

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Vocabulary and example	Write it

microchip n. /ˈmaɪkrəʊtʃɪp/

a very small piece of silicon that works a computer or device

Family: microchips

Every phone contains many **microchips**.

nucleus n. /ˈnjuːklɪəs/

the centre of an atom or cell

Family: nuclei (pl.)

The **nucleus** contains the cell's DNA.

DNA

propulsion n. /prəˈpʌlʃn/

the force that pushes something forward

Family: propel (v.)

Rockets use jet **propulsion**.

quantum adj./n. /ˈkwɒntəm/

about the very small units of energy in physics

Family: quanta (pl.) **Use it with:** quantum physics

Quantum computers may solve problems very quickly.

radiate v. /ˈreɪdɪeɪt/

to send out heat or light in all directions; also, to clearly show a feeling

Family: radiates · radiated · radiation (n.)

The fire **radiated** warmth.

relativity n. /ˌrelәˈtɪvɪti/

Einstein's theory about space, time and movement

Einstein's theory of **relativity** changed physics.

sociology n. /ˌsəʊsɪˈɒlədʒi/

the study of society and how people live together

Family: sociologist (n.)

She's studying **sociology** at university.

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Vocabulary and example	Write it
stimulus n. /ˈstɪmjʊləs/ something that causes a reaction or makes something grow **Family:** stimuli (pl.) Light is a **stimulus** for plant growth.	
synthetic adj. /sɪnˈθetɪk/ made by people, not natural **Family:** synthetically (adv.) This jacket is made of **synthetic** fabric.	
tolerance n. /ˈtɒlərəns/ accepting different ideas; also, the ability to bear something **Family:** tolerant (adj.) · tolerate (v.) Some people have a low **tolerance** for spicy food.	

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