

BRAIN TEASERS SEASON 3 LEARNING MATERIAL (GRADE 2 and 3)

No	Term	Meaning (Simplified)	Pronunciation	Use in a Sentence
1	Coast	The land right next to the sea or ocean.	/kōst/	The waves crash on the sandy coast.
2	Sea Level	The average height of the ocean's surface.	/see lev-ul/	Melting ice makes the sea level rise.
3	Ice Sheet	A very, very large area of thick ice that covers land.	/ɪs sheet/	The Greenland ice sheet is melting.
4	Melt	To turn a solid (like ice) into a liquid (like water) from heat.	/melt/	The ice cream will quickly melt on a hot day.
5	Current	The flow of water in a river or ocean in one direction.	/kur-unt/	Ocean currents move water all over the world.
6	Acid	A chemical that is sour and can be harmful.	/as-id/	Too much CO2 makes the ocean more acid.
7	Coral Reef	A large, colorful underwater home for many fish.	/kor-ul reef/	We saw beautiful fish near the coral reef.
8	Reservoir	A large, natural or man-made lake for storing water.	/rez-ur-vwar/	The town gets drinking water from the reservoir.
9	Vapor	Water that is floating in the air like an invisible gas.	/vā-pur/	Steam from boiling water is a kind of vapor.
10	Damp	A little bit wet or moist.	/damp/	The air felt very damp after the rain.
11	Coal	A black rock we burn for power that makes pollution.	/kōl/	My grandpa used to heat his house with coal.
12	Oil	A thick, black liquid we use to power cars and factories.	/oil/	We need less oil for our cars.
13	Natural Gas	A gas we burn for heat and energy.	/nach-ur-ul gas/	The stove uses natural gas to cook food.
14	Turbine	A big machine with blades that turns to make electricity.	/tur-bin/	A wind turbine is a tall windmill.
15	Geothermal	Energy that comes from the natural heat deep inside the Earth.	/jee-ō-thur-mul/	Geothermal energy is clean and safe.
16	Hydroelectric	Energy made from the power of moving water, like a dam.	/hī-drō-ē-lek-tri k/	The dam makes hydroelectric power for the city.
17	Electric Car	A car that uses a battery instead of gasoline.	/ē-lek-trik kar/	Dad wants to buy an electric car someday.
18	Battery	A small item that stores power for a machine or toy.	/bat-tur-ee/	My remote control needs a new battery.
19	Power Plant	A big building that makes electricity for many homes.	/pow-er plant/	The power plant uses coal or gas to make light.

20	Light Bulb	The glass part that gives us light when we turn on a switch.	/līt bulb/	Turn off the light bulb when you leave the room.
21	Animal	A living thing that is not a plant.	/an-i-mul/	Many ocean animals are losing their homes.
22	Plant	A living thing that grows in the ground and makes its own food.	/plant/	Every plant helps absorb CO2.
23	Seed	A small part of a plant that can grow into a new plant.	/seed/	We planted a tiny sunflower seed.
24	Soil	The top layer of the Earth where plants grow (dirt).	/soil/	Healthy soil is important for our food.
25	Agriculture	The practice of farming and growing food.	/ag-ri-kul-chur/	Agriculture needs a lot of water.
26	Crop	A plant like corn or wheat grown for food.	/krop/	The farmer is growing a big crop of carrots.
27	Wildfire	A large fire that is hard to control, especially in a forest.	/wild-fīr/	Hot and dry weather makes wildfires start easily.
28	Shortage	Not having enough of something, like water or food.	/shor-tij/	The town has a water shortage this summer.
29	Thaw	When frozen ground or ice gets warm and turns soft.	/thaw/	The ground will thaw when spring comes.
30	Damage	Harm or hurt to something.	/dam-ij/	The big storm caused a lot of damage.
31	Sustainable	Doing something in a way that can keep going for a long time without hurting the Earth.	/sus-tayn-uh-bu l/	We want a sustainable way to live.
32	Efficiency	Getting the most work done with the least amount of energy.	/ē-fish-un-see/	Using an LED light bulb shows great efficiency.
33	Transportation	How people and things move from one place to another.	/trans-pur-tā-sh un/	Walking is a clean way of transportation.
34	Commute	To travel to and from work or school every day.	/kə-myūt/	Mom has a long commute to her office.
35	Insulation	Special material in walls to keep a house warm in winter and cool in summer.	/in-soo-lā-shun/	Good insulation saves heating energy.
36	Rooftop	The outside top covering of a building.	/rōōf-top/	We saw solar panels on the rooftop.
37	Waste	Material that is no longer needed and is thrown away (trash).	/wāst/	We must reduce the amount of food waste.
38	Landfill	A large area where a lot of trash is buried in the ground.	/land-fill/	Trash in the landfill makes harmful methane gas.
39	Plastic	A man-made material that is hard to get rid of in nature.	/plas-tik/	Please use less single-use plastic.

40	Over-consume	To use or buy more things than you really need.	/ō-vur-kun-sōō m/	We should not over-consume water or electricity.
41	Healthy	Being in a good, strong condition.	/hel-thee/	We all want a healthy planet.
42	Care	To look after and be kind to something.	/kair/	We need to care for our local park.
43	Share	To use something together with others.	/shair/	We can share rides to school instead of taking two cars.
44	Community	A group of people who live in the same area.	/kə-myū-ni-tee/	Our community is planting a garden.
45	Global	Involving or affecting the whole world.	/glō-bul/	Climate change is a global problem.
46	Natural	Something that comes from nature, not made by people.	/nach-ur-ul/	Rain is a natural way to water the plants.
47	Responsibility	The duty to take care of something.	/ri-spon-si-bil-i-tee/	Protecting the Earth is our responsibility.
48	Consequence	What happens after you do something.	/kon-sə-kwens/	A consequence of littering is a dirty park.
49	Hope	A feeling that good things will happen in the future.	/hōp/	I have hope that we can fix climate change.
50	Change	To make something different.	/chānj/	We need to change how we use energy.
51	Air	The invisible gas all around us that we breathe.	/er/	The air felt warm today.
52	Earth	Our home planet.	/erth/	We need to protect the Earth.
53	Sun	The big star that gives us light and heat.	/sun/	The Sun warms our planet.
54	Weather	What it's like outside today (like rain, sun, or wind).	/weth-er/	The weather is rainy right now.
55	Climate	The usual weather a place has over many years.	/klī-mit/	The Arctic has a very cold climate.
56	Warm	A little bit hot, or not cold.	/wawrm/	The ocean water is getting too warm.
57	Heat	Very strong warmth or high temperature.	/heet/	The Sun gives off a lot of heat.
58	Ocean	The big body of salt water that covers most of the Earth.	/ō-shun/	The ocean is home to many fish.
59	Pollute	To make air, water, or land dirty and unsafe.	/pə-lōōt/	Factory smoke can pollute the air.
60	Gas	A substance like air that is not liquid or solid.	/gas/	We breathe in and out a lot of gas.
61	Global Warming	When the whole Earth gets hotter over time.	/glō-bul wawrm-ing/	Global Warming melts the ice caps.
62	Climate Change	Long-term shifts in weather and temperature patterns.	/klī-mit chānj/	Climate Change gives us stronger storms.

63	Greenhouse	A glass house that traps the Sun's heat to grow plants.	/green-hows/	Our greenhouse keeps the tomatoes warm.
64	Greenhouse Gas	A gas that acts like a blanket and traps heat on Earth.	/green-hows gas/	Greenhouse gas makes our planet warmer.
65	Carbon Dioxide (CO ₂)	The main gas that traps heat. We breathe it out, and it comes from burning things.	/kar-bun dī-oks-īd/	Plants need carbon dioxide to grow.
66	Fossil Fuels	Natural materials like coal and oil that we burn for energy.	/fos-sil fyūlz/	Burning fossil fuels makes CO ₂ .
67	Emissions	The gases, like smoke, that go into the air.	/ē-mish-unz/	Cars produce too many emissions.
68	Methane	A very strong gas that traps heat, often from cows and trash.	/meth-ayn/	Methane is a powerful greenhouse gas.
69	Forest	A large area covered with many trees.	/for-ist/	We should protect every forest.
70	Tree	A tall plant with a trunk and branches.	/tree/	A tree helps clean the air.
71	Deforestation	Cutting down too many trees in a forest.	/dee-for-is-tā-s hun/	Deforestation hurts animal homes.
72	Ecosystem	All the living things and non-living things in one area that work together.	/ē-kō-sis-tum/	The pond is a tiny ecosystem.
73	Habitat	The natural home where an animal or plant lives.	/hab-i-tat/	The polar bear's habitat is melting.
74	Species	A group of animals or plants that are the same.	/spee-sheez/	We saw many different bird species.
75	Extinct	When a type of animal or plant has all died out.	/ik-stinkt/	The dinosaurs are now extinct.
76	Ice	Frozen water.	/īs/	The ice on the lake is melting fast.
77	Glacier	A very, very large river of ice that moves slowly.	/glā-shur/	We saw a huge mountain glacier.
78	Polar	Related to the North or South Pole, where it's very cold.	/pō-lur/	The polar regions are warming quickly.
79	Drought	A very long time with almost no rain.	/drowt/	The plants dried up because of the drought.
80	Flood	When a lot of water covers land that is usually dry.	/flud/	The heavy rain caused a terrible flood.
81	Energy	The power we use to run lights, cars, and machines.	/en-er-jee/	We need to save electrical energy.
82	Renewable	Something that can be replaced or used over and over.	/rē-nū-ə-bul/	Sun and wind are renewable energy.
83	Solar	Using power that comes from the Sun.	/sō-lur/	We use a solar panel to heat water.
84	Wind Power	Energy made by using tall windmills.	/wind pow-er/	Wind power is clean energy.
85	Recycle	To use old things to make new things.	/rē-sī-kul/	We should recycle all of our bottles.

86	Compost	To turn food scraps and yard waste into rich soil.	/kom-pōst/	Mom puts banana peels in the compost.
87	Save	To use less of something, like water or electricity.	/sāv/	Please save water when you brush your teeth.
88	Reduce	To make something smaller or use less of it.	/rē-dōōs/	We must reduce our trash every day.
89	Reuse	To use something again instead of throwing it away.	/rē-yūz/	You can reuse that jar for crayons.
90	Conserve	To protect and keep something safe, like nature.	/kun-serv/	We must conserve clean water for everyone.
91	Footprint	A mark left by a foot (in this case, a mark on the Earth).	/fōōt-print/	We need a smaller carbon footprint.
92	Carbon Footprint	How much CO2 we put into the air by the things we do.	/kar-bun fōōt-print/	Riding my bike lowers my carbon footprint.
93	Breathe	To take air into your body and let it out.	/breeth/	It is nice to breathe fresh, clean air.
94	Clean Energy	Power that does not make a lot of pollution.	/kleen en-er-jee/	Clean energy is good for the Earth.
95	Action	Doing something to make a change.	/ak-shun/	We need to take action now to help the planet.
96	Protect	To keep someone or something safe.	/prō-tekt/	We must protect the ocean and all its creatures.
97	Litter	Trash that is left on the ground instead of in a bin.	/lit-ter/	Don't drop any litter on the school ground.
98	Pollution	The state of being dirty or harmful to the environment.	/pə-lōō-shun/	Air pollution makes it hard to see the Sun.
99	Volunteer	To work for free to help others or a cause.	/vol-un-teer/	Our class will volunteer to plant trees.
100	Future	The time that is coming after right now.	/fyū-chur/	We are saving the planet for our future.