



## ***Phetogo Board Game - Climate Glossary***

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### **CARD 1**

1. **Climate Change** – When the Earth’s weather changes for a long time and becomes hotter or different.
2. **Atmosphere** – The blanket of air around the Earth.
3. **Global Warming** – When the Earth slowly gets hotter.

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### **CARD 2**

1. **Greenhouse Effect** – When gases in the air trap heat from the sun and make Earth warm.
2. **Adaptation** – Changing the way we live so we can stay safe from climate change.
3. **Carbon Footprint** – The amount of pollution we make by driving, using electricity, or making things.

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### **CARD 3**

1. **Deforestation** – Cutting down many trees.
  2. **Biomass** – Plants and animal waste that can be used for energy.
  3. **Desertification** – When land becomes dry and turns into desert.
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### **CARD 4**

1. **Carbon Cycle** – The way carbon moves between plants, animals, air, and the Earth.
  2. **Evaporation** – When water heats up and turns into vapor (gas) and goes into the air.
  3. **Ecosystem** – Plants, animals, and their home working together.
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### **CARD 5**

1. **El Niño** – A weather change that can make some places very hot or very wet.
  2. **Drought** – A long time with little or no rain.
  3. **Energy** – Power that makes things work, like lights and cars.
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### **CARD 6**

1. **Heat Stress** – When your body gets too hot and tired.
  2. **Evapotranspiration** – When water goes into the air from soil and plants.
  3. **Emissions** – Gases released into the air.
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### **CARD 7**

1. **Fossil Fuel** – Coal, oil, or gas from long ago plants and animals, used for energy.
  2. **Greenhouse Gas** – A gas that traps heat in the air.
  3. **Heat Island** – A city area that is hotter than places with trees and grass.
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### **CARD 8**

1. **Heatwave** – Many very hot days in a row.
  2. **Okavango** – A famous river and wetland in Botswana.
  3. **Reforestation** – Planting trees again.
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### **CARD 9**

1. **Landfill** – A place where rubbish is buried.
  2. **Rainfall** – Rain that falls from the sky.
  3. **Methane** – A gas that traps heat in the air.
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### **CARD 10**

1. **Nitrous Oxide** – A gas that traps heat and comes from farms and cars.
2. **Energy** – Power that helps us cook, travel, and use electricity.
3. **Ozone** – A gas high in the sky that protects us from the sun.



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### **CARD 11**

1. **Ozone Layer** – A layer in the sky that protects Earth from harmful sunlight.
  2. **Radiation** – Energy that comes from the sun.
  3. **Carbon Dioxide** – A gas people and animals breathe out, and cars make.
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### **CARD 12**

1. **Recycling** – Turning old things into new things.
  2. **Renewable Energy** – Energy from the sun, wind, or water that never runs out.
  3. **Malaria** – A sickness spread by mosquitoes.
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### **CARD 13**

1. **Coal** – A black rock burned for energy.
  2. **Solar Panel** – A panel that turns sunlight into electricity.
  3. **Cholera** – A sickness from dirty water.
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### **CARD 14**

1. **Photosynthesis** – How plants use sunlight to make food.
2. **Soil Carbon** – Carbon stored in the soil.
3. **Emissions** – Gases released into the air.



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### **CARD 15**

1. **Sunlight** – Light and heat from the sun.
2. **Biogas** – Gas made from animal or plant waste, used for cooking.
3. **Natural Disaster** – A dangerous event like floods or storms

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### **CARD 16**

1. **Concentrated Solar Power** – Using mirrors to focus sunlight to make electricity.
2. **Weather** – What the sky is like today (rainy, sunny, windy).
3. **Climate** – The usual weather of a place over many years.

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### **CARD 17**

1. **Wildlife** – Animals living in nature.
2. **Hydroponic Farming** – Growing plants in water instead of soil.
3. **Agroforestry** – Growing crops and trees together.

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### **CARD 18**

1. **Flood** – When too much water covers land.
2. **Cyclone** – A very big, strong storm with heavy wind.
3. **Cold Front** – When cold air moves in and changes the weather.



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### **CARD 19**

1. **Spring** – A season when plants start growing.
  2. **Carbon Sink** – A place like a forest that stores carbon.
  3. **Earth** – The planet we live on.
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### **CARD 20**

1. **Carbon Sequestration** – Storing carbon in trees or soil.
  2. **Frost** – Thin ice that forms on the ground when it is very cold.
  3. **Water Scarcity** – Not having enough water.
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### **CARD 21**

1. **Water** – Liquid we drink and use every day.
  2. **Chlorofluorocarbons (CFCs)** – Harmful gases that damage the ozone layer.
  3. **Industrialisation** – When a country builds many factories and industries.
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### **CARD 22**

1. **Mitigation** – Actions to reduce climate change.
  2. **UNFCCC** – A world group that works to stop climate change.
  3. **Heatstroke** – Very serious sickness from too much heat.
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### **CARD 23**

1. **Wind Farm** – Many wind turbines that make electricity.
  2. **Wildfire** – A big fire in nature.
  3. **Paris Agreement** – A world promise to fight climate change.
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### **CARD 24**

1. **Organic Fertiliser** – Natural plant or animal waste used to help crops grow.
  2. **Waste** – Things we throw away.
  3. **Circular Economy** – Reusing and recycling things instead of throwing them away.
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### **CARD 25**

1. **Wetland** – Land covered with water, like swamps.
  2. **Thunderstorm** – A storm with thunder and lightning.
  3. **Recycle** – To use old things to make new ones.
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### **CARD 26**

1. **Borehole** – A deep hole drilled to get water from underground.
2. **Solar Panel** – A panel that uses sunlight to make electricity.
3. **Livestock** – Farm animals like cows and goats.



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### **CARD 27**

1. **Baobab** – A large tree with a thick trunk found in Africa.
2. **Bushfire** – A fire that burns grass and bushes.
3. **Dustbin** – A container for rubbish.

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### **CARD 28**

1. **Makgadikgadi** – Large salt flats in Botswana.
2. **Lightning** – A bright flash of electricity in a storm.
3. **Organic** – Natural and from plants or animals.

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### **CARD 29**

1. **Okavango Delta** – A big wetland in Botswana where animals live.
2. **Water Tank** – A container for storing water.
3. **Inorganic** – Not from plants or animals.

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### **CARD 30**

1. **Compost** – Decayed food and plants used to help soil.
2. **Litter** – Trash left on the ground.
3. **Crop Rotation** – Planting different crops each season to keep soil healthy.



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### **CARD 31**

1. **Wildlife** – Animals that live in nature, not in homes.
  2. **Cow Dung** – Waste from cows that can be used as manure or fuel.
  3. **Air Pollution** – Dirty or harmful gases in the air.
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### **CARD 32**

1. **Plough** – A farm tool used to turn the soil for planting.
  2. **Power Cut** – When electricity suddenly stops working.
  3. **Plastic Bottle** – A bottle made of plastic used to hold drinks.
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### **CARD 33**

1. **Grassland** – A large open area covered mostly with grass.
  2. **Harvest** – Gathering crops when they are ready.
  3. **Reduce** – To use less of something.
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### **CARD 34**

1. **River** – A long flowing stream of water.
2. **Soil Moisture** – Water that is in the soil.
3. **Solar** – Energy that comes from the sun.



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### **CARD 35**

1. **Windmill** – A machine that uses wind to pump water or make power.
  2. **Re-use** – To use something again instead of throwing it away.
  3. **Generator** – A machine that makes electricity.
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### **CARD 36**

1. **Rainy Season** – The time of year when it rains a lot.
  2. **Water Cycle** – The way water moves from Earth to the sky and back again.
  3. **Fertilizer** – A substance added to soil to help plants grow.
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### **CARD 37**

1. **Flood** – When too much water covers land.
  2. **Diarrhoea** – A sickness that causes frequent watery stools.
  3. **Locusts** – Insects that travel in big groups and eat crops.
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### **CARD 38**

1. **Coal** – A black rock burned for energy.
2. **Drought** – A long time with little or no rain.
3. **Water Conservation** – Saving and using water carefully.



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### **CARD 39**

1. **Clean Water** – Safe water that is good to drink.
  2. **Mosquito Net** – A net that protects people from mosquitoes while sleeping.
  3. **Zero Waste** – Trying not to throw anything away.
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### **CARD 40**

1. **Green Jobs** – Jobs that help protect the environment.
  2. **Biofuel** – Fuel made from plants or animal waste.
  3. **Vertical Farming** – Growing crops in layers, one above another.
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### **CARD 41**

1. **Wet Season** – The time of year when there is a lot of rain.
  2. **Cattle Post** – A place in the countryside where farmers keep cattle.
  3. **Urban Farming** – Growing food in towns or cities.
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### **CARD 42**

1. **Water** – Liquid we drink and use every day.
2. **Harvesting** – Collecting something when it is ready (like rainwater or crops).
3. **Forest** – A large area filled with trees.
4. **Firewood** – Wood used for cooking or heating.



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### **CARD 43**

1. **CKGR** – A large wildlife area in Botswana called the Central Kalahari Game Reserve.
2. **The San** – Indigenous people of Southern Africa.
3. **Windmill** – A machine that uses wind to pump water.

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### **CARD 44**

1. **Baobab** – A big tree with a thick trunk found in Africa.
2. **Morula** – An African tree that produces fruit.
3. **Forest Cover** – The amount of land covered by trees.

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### **CARD 45**

1. **Solar Cooker** – A cooker that uses sunlight to cook food.
2. **Electric Vehicle** – A car that runs on electricity instead of petrol.
3. **Off-grid** – Not connected to the main electricity supply.

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### **CARD 46**

1. **Just Transition** – Making changes to clean energy in a fair way for everyone.
2. **Air** – The invisible gases we breathe.
3. **Morupule Coal Mine** – A coal mine in Botswana.



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### **CARD 47**

1. **Pollution** – Making the environment dirty.
  2. **Floodplain** – Flat land near a river that can flood.
  3. **Mongana** – A traditional rainmaking ceremony in Botswana.
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### **CARD 48**

1. **Limpopo River** – A large river in Southern Africa.
  2. **Green Finance** – Money used for projects that help the environment.
  3. **E-waste** – Old or broken electronic devices thrown away.
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### **CARD 49**

1. **Smart Farming** – Using modern technology to grow food better.
  2. **Cattle** – Farm animals like cows.
  3. **Seed Bank** – A safe place where seeds are stored for the future.
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### **CARD 50**

1. **Rainwater** – Water that falls from the sky as rain.
  2. **Mophane** – A tree common in Southern Africa.
  3. **Morojwa** – A Setswana word for rain.
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### **CARD 51**

1. **Soil Erosion** – When wind or water carries soil away.
  2. **Wetland** – Land covered by shallow water.
  3. **Mountain** – Very high land that rises above the ground.
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### **CARD 52**

1. **Compost Toilet** – A toilet that turns waste into compost.
  2. **Plastic Waste** – Thrown-away plastic items.
  3. **Charcoal** – Black fuel made from burned wood.
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### **CARD 53**

1. **Electric Car** – A car powered by electricity.
  2. **Biodigester** – A machine that turns waste into gas for cooking.
  3. **Litter Picking** – Collecting trash from the ground
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### **CARD 54**

1. **Landfill** – A place where rubbish is buried.
2. **Overfishing** – Catching too many fish from the water.
3. **Food Waste** – Throwing away food that could be eaten.



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### **CARD 55**

1. **Indigenous Knowledge** – Traditional knowledge passed down from ancestors.
  2. **Solar Lamp** – A lamp powered by sunlight.
  3. **Energy Saving** – Using less electricity or fuel.
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### **CARD 56**

1. **River Basin** – The land area drained by a river.
  2. **Climate Justice** – Fair treatment of people affected by climate change.
  3. **Drought Resistant** – Able to survive with little water.
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### **CARD 57**

1. **Hailstorm** – A storm with falling ice balls.
  2. **Stormwater** – Rainwater that flows on the ground after heavy rain.
  3. **Grazing** – Animals eating grass in fields.
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### **CARD 58**

1. **Biochar** – Burned plant material added to soil to improve it.
2. **Weather Forecast** – A report that tells what the weather will be like.
3. **Herd** – A group of animals like cows or goats.



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### **CARD 59**

1. **Crop Failure** – When crops do not grow well or die.
2. **Solar Cooker** – A cooker that uses sunlight.
3. **Pesticide** – A chemical used to kill pests that harm crops

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### **CARD 60**

1. **Tree Nursery** – A place where young trees are grown.
2. **Migration** – When people or animals move to another place.
3. **Grey Water** – Used water from sinks or baths that can be reused.

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### **CARD 61**

1. **Food Insecurity** – Not having enough food to eat.
2. **Tree Planting** – Putting young trees into the ground to grow.
3. **Rock** – A hard natural material from the Earth.

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### **CARD 62**

1. **Carbon Tax** – Money paid for producing carbon pollution.
2. **Energy** – Power that makes things work.
3. **Greenwashing** – Pretending to be environmentally friendly when not really.



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### **CARD 63**

1. **Public Transport** – Buses or trains that many people use.
2. **Irrigation** – Supplying water to crops.
3. **Heat Island** – A city area that is hotter than nearby places.

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### **CARD 64**

1. **Clean Cooking** – Cooking in a way that makes little smoke.
2. **Poverty** – Not having enough money for basic needs.
3. **Education** – Learning at school or from others.

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### **CARD 65**

1. **Green Building** – A building made to save energy and protect the environment.
2. **Mosu** – A village in Botswana.
3. **Gender** – Whether someone is male or female.

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### **CARD 66**

1. **Youth** – Young people.
2. **Carbon Finance** – Money given to projects that reduce carbon pollution.
3. **Unemployment** – Not having a job.



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### **CARD 67**

1. **Community** – A group of people living together.
  2. **Malnutrition** – Not getting enough healthy food.
  3. **Transport** – Moving people or goods from one place to another.
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### **CARD 68**

1. **Sanitation** – Keeping places clean to stay healthy.
  2. **Access** – Being able to use or get something.
  3. **Ice** – Frozen water
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### **CARD 69**

1. **Industry** – Factories and businesses that make goods.
  2. **Displacement** – When people are forced to leave their homes.
  3. **Borehole** – A deep hole drilled to get underground water.
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### **CARD 70**

1. **Kgosi** – A traditional leader in Botswana.
  2. **Meteorologist** – A scientist who studies weather.
  3. **Botswana** – A country in Southern Africa.
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