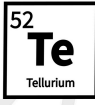


2ND GRADE SCIENCE



newsletter

Week of: April 14th - April 18th



WHAT ARE WE LEARNING?

SC2.L.17.1 Compare and contrast basic needs of plants and animals.

- Interdependence
- Food Chain
- Ecosystems

HOMEWORK

- There is no homework this week. Please review the study guide to prepare for our test on April 16th.



We're in need of a few supplies for our classroom: colored pencils, crayons, washable markers, blunt-tip scissors, and glue sticks. Volunteer hours will be awarded for your generous donations. Thank you for your support!



PLANTS AND ANIMALS



CONTACT ME

Mrs. Maldonado



virginia.maldonado@archimedean.org



Study Guide: Plants and Animals – Needs & Survival

What Do All Living Things Need?

Plants and animals are living things, which means they need certain things to live, grow, and stay healthy. Some of their needs are the same, and some are different.

Basic Needs of Animals

Animals need:

- **Food** – to get energy and grow
- **Water** – to stay hydrated and keep their bodies working
- **Air** – they breathe **oxygen**
- **Shelter** – a safe place to live and protect themselves
- **Space** – room to move, grow, and find what they need

➡ **Animals do not make their own food** – they must eat plants or other animals.

Basic Needs of Plants

Plants need:

- **Sunlight** – to make their own food through a process called **photosynthesis**
- **Water** – to carry nutrients and keep the plant alive
- **Air** – plants use **carbon dioxide** from the air to make food
- **Soil** – gives them **nutrients** and **supports their roots**
- **Space** – room to grow and spread out

➡ **Plants make their own food** using **sunlight, water, and air**.



Shelter and Protection

- Animals need **shelter** to stay safe from **bad weather** (rain, snow, cold) and **predators** (animals that might hurt them).
- Shelter can be a burrow, nest, cave, or even a tree.



How Animals Survive in Winter

Some animals:

- **Hibernate** – They sleep for a long time to save energy (like bears).
- **Migrate** – They travel to warmer places to find food (like birds).



Why Animals Migrate

- To find food and stay warm when the weather gets too cold where they live.



Plant Parts and Jobs

- **Roots** – Take in **water** and **nutrients** from the soil and hold the plant in place.
- **Soil** – Helps plants grow by giving them nutrients and support.



Why Water Is Important

- **Animals** use water to stay hydrated and help their bodies work (just like humans!).
- **Plants** use water to move nutrients through their stems and leaves.



Why Air Is Important

- Animals need **oxygen** from the air to breathe.
- Plants need **carbon dioxide** from the air to make their food.



Why Plants Need Sunlight

- Plants use sunlight to make their **own food** through **photosynthesis**.
- Without sunlight, they cannot grow or stay healthy.



Why Space Matters

- All living things need **room to grow**, move, and get what they need.
- If too many plants or animals live in the same space, they might not get enough water, food, or light.



Helpful Vocabulary

- **Survive** – To stay alive
- **Shelter** – A safe place to live
- **Roots** – Part of a plant that takes in water and holds the plant
- **Soil** – Dirt that helps plants grow
- **Photosynthesis** – The way plants make their own food using sunlight
- **Migrate** – To move to a different place for better weather or food
- **Hibernate** – To sleep for a long time during winter
- **Nutrients** – Good things in soil that help plants grow
- **Oxygen** – A gas animals need to breathe
- **Carbon dioxide** – A gas plants need to make food
- **Predator** – An animal that hunts and eats other animals