

Fifth Grade Science

The performance expectations in fifth grade help students formulate answers to questions such as:

- When matter changes, does its weight change?
- How much water can be found in different places on Earth?
- Can new substances be created by combining other substances?
- How does matter cycle through cycles ecosystems?
- Where does the energy in food come from and what is it used for?
- How do lengths and directions of shadows or relative length of day and night change from day to day,
- And how does the appearance of some stars change in different seasons?

Students are able to:

- Describe that matter is made of particles too small to be seen through development of a model
- Develop an understanding of the idea that regardless of the type of change that matter undergoes, the total weight of matter is conserved.
- Determine whether the mixing of two or more substances results in new substances.
- Describe ways the geosphere, biosphere, hydrosphere and/or atmosphere interact.
- Describe and graph data to provide evidence about the distribution of water on Earth.
- Develop an understanding of the idea that plants get the materials they need for growth chiefly from air and water.
- Describe the movement of matter among plants, animals, decomposers, and the environment and that energy in animals food was once energy from the sun.
- Develop an understanding of patterns daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.