

# Fifth Grade Science Expectations



## I can...

### Life Science

1. identify environmental factors and how changes to the environment can be helpful or harmful.
2. explain and give examples of preferred and optimum environments for living organisms.
3. compare and contrast major biomes of the world.

### Inquiry

- 1a. use a science notebook to ask questions, record, and label my data on tables and graphs.
- 1b. use data to make predictions and explain relationships.
2. plan and safely carry out science experiments.
3. use appropriate scientific tools and mathematics to collect and interpret data.
4. explain why only one variable is changed during in an investigation and the importance of repeating the investigation.
5. use evidence to give a reasonable explanation for the experiment results.
6. compare and contrast group results with class data.

### Physical Science

1. use tools to accurately measure liquids and solids and graph results.
- 2a. explain and give examples of separating mixtures.
- 2b. explain and give examples of solutions and saturation.
- 2c. explain and give examples of concentration of solutions.
- 2d. identify when a chemical reaction has happened.
3. build a system and explain how changing one variable at a time affects the outcome of the system.
4. explain and give examples of how forces affect the motion of an object.

