

5th Grade Learning Progression Scales

Learning Goal:	The students can investigate and describe some basic forms of energy, including light, heat, sound, electrical, chemical, and mechanical.	
Standard(s):	SC.5.P.10.1 Investigate and describe some basic forms of energy, including light, heat, sound, electrical, chemical, and mechanical (DOK Level 3: Strategic Thinking & Complex Reasoning)	
Scale		Sample Progress Monitoring Assessment Activities
4.0	In addition to 3.0, in-depth inferences and applications that go beyond what was taught the student is able to: solve real-world problems which may include additional forms of energy and/or transforming one form of energy to another.	
3.0 Target	The student understands and is able to: investigate and describe some basic forms of energy, including light, heat, sound, electrical, chemical, and mechanical energy. The student exhibits no major errors or omissions.	Exploring the Six Forms of Energy Resource ID# 46550 http://www.cpalms.org/Public/PreviewResourceLesson/Preview/46550
2.0	There are no major errors or omission regarding the simpler details and processes; however, the student exhibits major errors or omissions regarding the more complex ideas and processes. The student is able to: identify basic forms of energy such as light, heat, sound, electrical, and mechanical (the energy of motion) and explain that sound is produced by vibrating objects and that pitch depends on how fast or slow the object vibrates.	.
1.0	understand that light travels in a straight line until it strikes an object or travels from one material to another and that light can be reflected, refracted, and absorbed. I can also explain that things that give off light often also give off heat and that heat is produced when one object rubs against another, such as rubbing one's hands	