

Name _____
Period _____

Date _____
Benchmark 9.1

The student knows that energy comes mostly from the Sun and it is a property of many substances; also understands that energy cannot be created or destroyed but only changed from one form to another

4 – The assessment clearly shows that the student: understands what potential and kinetic energy are and how they are measured; can measure the kinetic energy of a moving object; can trace the energy flow through a series of events illustrating the first and second laws of thermodynamics; can apply the first and second laws of energy exchange to explain energy exchange; can explain how energy conversions result in energy being wasted as heat; can explain how simple and complex machines help us do work.

3 – One or more of the elements listed above are missing. The assessment is turned in late.

2 – The student does not demonstrate a clear understanding of the benchmark; several errors were made; several elements were left out; the assessment was poorly done; the assessment was turned in late.

1 – The assessment is not what was required.

Students must take a test on the benchmark that is created by the teacher and turn in two additional assessments for each benchmark. They may choose from the following:

1. Create a graphic webpage.
2. Create a blog. Entries must be added every day or two. Pre-approval required.
3. Create a comic strip.
4. Create a graphic children's book.
5. Create a graphic poster.
6. Create a PowerPoint or Google Slide presentation that includes pictures.
7. Create a video or movie (no trailers).
8. Create a "science talk show" and be the subject of an interview about the topic. This can be done by two people.
9. Create a live character (costumes and accents encouraged), and do a presentation to the class that includes a question and answer time with the students.
10. Create a game that students can play in class. (no crosswords or word search puzzles)
11. Create an assessment that could be given to students to test their knowledge and understanding of the benchmark. The assessment must include an answer key. (no Quizlets, Quiziz, Jeopardy or similar online games)
12. Turn in your notebook.
13. Create your own assessment. (Get teacher approval first!)