

Energy & Energy Transformations

Name _____

Period _____

1. What is energy?

2. a) What is work?

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b) What two conditions does work depend on?

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c) What is energy sometimes described as?

3. What is kinetic energy? What is an example of kinetic energy?

4. How do speed **and** mass affect kinetic energy?

5. What is potential energy?

6. What is gravitational potential energy? What is an example of gravitational potential energy?

7. What is elastic potential energy? What is an example of elastic potential energy?

8. What is chemical energy? What is an example of chemical energy?

9. What is a electrical energy?

10. What is sound energy?

11. What is electromagnetic energy (also called light energy or radiant energy)? What are examples of electromagnetic energy?

12. What is thermal energy?

13. What is mechanical energy?

14. What is nuclear energy?

15. What is an energy transformation?

16. What is the law of conservation of energy?

17. a) What is friction?

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b) What energy transformation is caused by friction?

18. What is waste energy?