Physics Chapter 3.3- 3.6

Answer the following questions in complete sentences.

1. What are the types of potential energy?

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1. What is nuclear energy?

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1. What is elastic or strain potential energy?

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1. What is chemical potential energy?

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5. What kind of potential energy is in cereal?

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6. What kind of potential energy is in a rubber band?

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7. What kind of potential energy is in a batter?

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8. What kind of potential energy is in a spring?

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9. Is energy created or destroyed?

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10. Is energy converted from one form of energy to another?

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11. How is energy converted from a battery when you are using it to power a flashlight?

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12. What is kinetic energy?

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13. Does a book have kinetic energy when it is sitting on a table?

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14. Does a book have kinetic energy when it is falling to the floor?

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15. Does a car going 45 miles an hour have kinetic energy?

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16. Does a tennis ball in motion have kinetic energy?

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17. Does a toddler who is not sleeping have kinetic energy?

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18. Does a parent at the end of the day have kinetic energy?

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19. Write an example of kinetic energy and explain why.

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20. What two things depends if something has kinetic energy?

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21. When a moving object contacts another object, energy is converted and work is done. True False

22. Explain how kinetic energy is moves and changes when a rubber band is stretched across the prongs of a slingshot.

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