Force, Work and Energy

Fill in the blanks: -1. We use _____ when we change the direction of a moving body. 2. We do _____ when the _____ is applied to move an object. 3. Simple machines help us to work _____ and with less effort. 4. Lever is used to ______, ____ and _____ and _____ 5. ______ is made of the combination of two circular objects of different sizes. 6. ______ is often used to load the truck with barrels or heavy boxes. 7. _____ has grooves and is used to hold things together. 8. A screw is an wound around a rod. 9. To circular planes attached back- to-back are called 10. A car converts ______ energy to _ Define the following: -Work-____ Machine-____ Muscular force-Mechanical force-_____ Elastic force-_____ Gravitational force-____ www.practicenlearn.com

rictional force			
Vrite short answers: -			
Give three examples where f	orce is used.		
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Name different types of forc	es.	W.coll	
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What is motion?	, ,		
what is motion.			
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low does force affect motio	n?		
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Explain how friction works.	
What happens when balanced and unbalanced forces act on an object?	
Give 2 examples where work is done.	
What are simple machines and how do they help us?	
What is the formula of work done?	
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lame three simple machines and describe how each makes work easier.
Define energy in your own words.
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lame three types of energy and give an example of each.
lame three types of energy and give an example of each.
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low is energy related to work? · · · · · ·
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Vhat are renewable and non-renewable sources of energy?
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Name three simple machines and describe how each makes work easier.
Give an example of each simple machine in use.
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How do simple machines change the direction of a force?
now do simple machines change the direction of a force?
and the second s
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What is pulley? Draw a labelled diagram of pulley. Share two examples where pulley is used.
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Look at the image below. Identify the forces acting on the object and label them as either push or pull forces. Explain how these forces are affecting the object.
Circular staircases resemble which simple machine?
Why renewable energy, though limitless, should not be wasted?
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Name the three important sources of energy. [H	NT: they are natural and renewable]
What is geothermal energy?	
vilat is geothermal energy.	
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What is atomic energy and why it is important to	use it for the mankind?
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272	•
ook at the image on the right and answer the	
ollowing questions-	
What is it?	
What does it do?	
Which energy does it consume and produce?	$\lambda \rightarrow -$
Name some places or regions where windmills	
are often built. Why are these locations	
chosen?	
• Explain whether a larger windmill produces	
more energy than a smaller one, and why.	
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Share examples where-
Share examples where- Chemical energy is converted to heat energy.
Electrical energy into mechanical energy
Heat energy to mechanical energy
Chemical energy is converted to light energy
Solar energy is converted to heat energy
Muscular energy into sound energy
Chemical energy into thermal energy
Solar energy is converted to light energy
Chemical energy into mechanical energy www.practicenlearn.com

Solar energy is converted to electrical energy	



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