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| <p>QUIZ QUIZ TRADE</p> <p>Question 1: What did the Egyptians use to build the pyramids?</p> <p>Answer: Rollers</p> | <p>QUIZ QUIZ TRADE</p> <p>Question 2: Which nation used rollers to build the Pyramids?</p> <p>Answer: Egyptians</p> |
| <p>QUIZ QUIZ TRADE</p> <p>Question 3: What simple machines use rollers?</p> <p>Answer: Printers, Paint rollers, Grocery conveyor belts, etc.</p> | <p>QUIZ QUIZ TRADE</p> <p>Question 4: Which simple machine is used by an everyday printer?</p> <p>Answer: Rollers</p> |
| <p>QUIZ QUIZ TRADE</p> <p>Question 5: What simple machine is based upon the roller?</p> <p>Answer: The Wheel</p> | <p>QUIZ QUIZ TRADE</p> <p>Question 6: Describe a wheel and axle. Answer: A wheel with an axle allows the a wheel to work as a unit with another wheel. It helps it turn the wheel.</p> |
| <p>QUIZ QUIZ TRADE</p> <p>Question 7: What simple machine has more direction control?</p> <p>Answer: A Wheel</p> | <p>QUIZ QUIZ TRADE</p> <p>Question 8: Which part works harder, the axle or the wheel?</p> <p>Answer: The axle has to turn more times to turn the wheel.</p> |
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| <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 9: In an Axle and wheel machine, what do you trade speed for?</p> <p style="text-align: center;">Answer: Force</p> | <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 10: In a wheel and axle unit what do you trade force for?</p> <p style="text-align: center;">Answer: Speed</p> |
| <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 11: What does RPM's stand for?</p> <p style="text-align: center;">Answer: Rotation (revolutions) per minute</p> | <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 12: What is a wheel and axle with a groove called?</p> <p style="text-align: center;">Answer: Pulley</p> |
| <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 13: What are the two types of pulleys?</p> <p style="text-align: center;">Answer: Fixed and Moveable</p> | <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 14: What is a fixed pulley?</p> <p style="text-align: center;">Answer: a Pulley that stays in one spot</p> |
| <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 15: What is a moveable pulley?</p> <p style="text-align: center;">Answer: A pulley which moves with the load</p> | <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 16: How does a fixed pulley give us advantage?</p> <p style="text-align: center;">Answer: It changes the direction</p> |
| <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 17: Which simple machine changes the direction giving us advantage?</p> <p style="text-align: center;">Answer: A fixed pulley</p> | <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 18: How does a Moveable pulley give us advantage?</p> <p style="text-align: center;">Answer: by dividing the load between two forces</p> |

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| <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 19: Which pulley divides the load between 2 forces?</p> <p>Answer: a Moveable pulley</p> | <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 20: What is the disadvantage of a moveable pulley?</p> <p>Answer: You have to pull up, this uses muscles not body weight.</p> |
| <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 21: Where does the advantage in a fixed pulley come from?</p> <p>Answer: Your body weight pulling down</p> | <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 22: How do we find a true advantage using pulleys?</p> <p>Answer: By putting a fixed and moveable pulley together</p> |
| <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 23: What is a block and tackle pulley?</p> <p>Answer: A combination of fixed and moveable pulleys</p> | <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 24: What is a mechanical advantage?</p> <p>Answer: By adding more pulleys into a system you increase the amount of support holding the load, each support adds an advantage.</p> |
| <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 25: What is a combination of fixed and moveable pulleys called?</p> <p>Answer: Block and tackle</p> | <p style="text-align: center;">QUIZ QUIZ TRADE</p> <p>Question 26: What is the support holding a load in a pulley called?</p> <p>Answer: Mechanical Advantage</p> |
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| <p>QUIZ QUIZ TRADE</p> <p>Question 27: How much force do you need to lift a load with a fixed pulley?</p> <p>Answer: Equal to the weight of the load</p> | <p>QUIZ QUIZ TRADE</p> <p>Question 28: What is an advantage of wheel and axles over rollers?</p> <p>Answer: Control</p> |
| <p>QUIZ QUIZ TRADE</p> <p>Question 29: What changes do you make to a wheel and axle to make it a pulley?</p> <p>Answer: Add a groove</p> | <p>QUIZ QUIZ TRADE</p> <p>Question 30: What is friction?</p> <p>Answer: The resistance between two surfaces.</p> |
| <p>QUIZ QUIZ TRADE</p> <p>Question 31: What element does a pulley not erase in a machine?</p> <p>Answer: Friction</p> | |