

WHERE POSSIBLE, ANSWER ALL THE QUESTIONS, WITH NOTES AND SKETCHES. CLICK ON EACH 'MONSTER VEHICLE' FOR HELPFUL LINKS.

ENERGY STORAGE - KNOWLEDGE MAP

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1. HOW DOES A WIND UP WATCH STORE AND RELEASE ENERGY?



2. WITH NOTES AND A SKETCH, EXPLAIN A 'COMMERCIAL SPRING POWERED - ENERGY STORAGE SYSTEM'.



3. BRIEFLY, HOW DOES A PNEUMATIC SYSTEM WORK?



4. DESCRIBE A PRACTICAL APPLICATION OF A PNEUMATIC SYSTEM. INCLUDE A SKETCH.



8. PASTE AN IMAGE OF A VICTORIAN APPLICATION OF A FLYWHEEL.



7. WHAT IS A FLYWHEEL? EXPLAIN HOW IT WORKS.



6. DESCRIBE TWO PRACTICAL APPLICATIONS OF HYDRAULICS. INCLUDE AN IMAGE OF EACH ONE.



5. HOW DOES AN HYDRAULIC SYSTEM WORK? INCLUDE A LABELLED DIAGRAM.



9. DESCRIBE A MODERN APPLICATION OF A FLYWHEEL. INCLUDE A DIAGRAM / SKETCH.



10. DESCRIBE ALKALINE BATTERIES AND INCLUDE A DIAGRAM SHOWING THE VARIOUS SIZES.



11. WHY ARE RECHARGEABLE BATTERIES, A BETTER ALTERNATIVE TO DISPOSABLE BATTERIES?



12. DESCRIBE ONE EXAMPLE OF LARGE SCALE ENERGY STORAGE.

