Energy storage and transfer model worksheet 6 answers

4. The moon could be an ideal spaceport for exploring the solar system. A moon launching system could consist of a magnetic rail gun that shoots items into moon orbit. How much energy would be needed from the rail gun to get a 10,000 kg capsule into an orbit 100 km above the moon surface? The moon"s gravitational field strength is 1.6 N/kg and the orbital ...

The Model So Far -- Energy Storage & Transfer 29 Overview 29 Resource Index 30 Unit 1 Activity 1: Write It, Do It 30 Unit 1 Activity 1 Teacher Resource: Write It, Do It Shape Cards 32 ... Unit 1 Worksheet 5: Energy Bar Graphs 82 Unit 1 Reading 4: Creating Energy Bar Graphs 85.

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Question: Name haye ena Date Energy Storage and Transfer Model Worksheet 5: Energy Transfer and Power 1. A student cats a tasty school lunch containing 700 Calories. (One food Calorie 4186 Joules.) Due to basal metabolism, the student radiates about 100 Joules per second into the environment. a.

Students will use this resource to identify energy stores and transfers (pathways) from energy transfer diagrams and use the information provided to calculate the efficiency of each system. Support and answer sheets are included. Example questions: Chlorophyll in the leaves of plants absorbs energy for photosynthesis. Over a period of time, 3.4kJ of energy is transferred from ...

Name Date Pd Energy Storage and Transfer Model Worksheet 4: Energy Transfer and Power Part 1 We need more POWER The average American consumes 2300 calories a day. 1. How many Joules of Energy must they use to burn all that energy? 2. Since there are 24 hours in a day, 60 minutes in an hour, and 60 seconds in a minute, how many seconds are in a day? 3.

Energy storage and transfer model worksheet 6 answers

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2. Consider your 3 kg physics binder resting on the table in the classroom. Determine the gravitational energy of the earth-book system if the zero reference level is chosen to be: a) the table b) the floor, 0.68 meters below the book c) the ceiling, 2.5 meters above the book 4. A bungee cord stretches 25 meters and has a spring constant of 140 N/m.

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Energy Model Worksheet 1b: Qualitative Analysis - Pie Charts ... and draw an energy storage pie for each

lettered position. ©Modeling Instruction 2010 2 U8 Energy - ws 1b v3.0 4. An object rests on a coiled spring, and is then launched upwards. 5. A piece of clay is dropped to the floor.

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