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HAL study guide Chapter 2

What does energy cause changes in?

Who has more potential energy, A person on the high dive or low dive?

What does the law of conservation state, Energy can be?

What does gravitation potential energy depend on?

Friction is cause by? How can friction be reduced?

Explain how energy transforms providing warmth and movement within your body.

If what push a book off a table, describe the energy transformation that takes place.

If I apply the brakes to a four-wheeler, how does energy transform.

Describe waste energy. Relate a type of energy before it transfers to waste energy. Then describe its reason for it becoming waste energy.

How could you measure the total amount of work done?

Explain the total amount of energy of a car that goes up a hill and then slows down.

Describe how thermal energy changes as a runner goes up a hill, goes down a hill, slows down, comes to a complete stop.

What energy transformations are used by an apple tree, photosynthesis and then eating the apple? Create a diagram. To show the order

Compare/contrast waste energy that is produced through transformations and the law of conservation of energy. This is a thinking question. Does it cancel out this law?

What is photosynthesis?