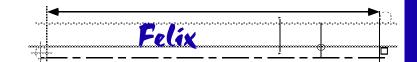
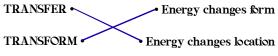
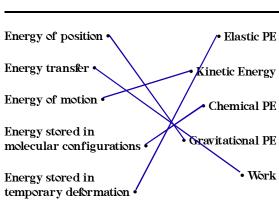
PhyzSketches: Energy Transformations



ENERGY AND THE POLE VAULTER

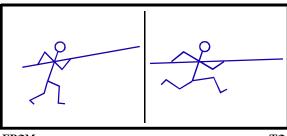
Match terms to definitions.

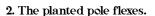


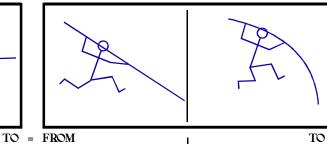


In each step of the sequence, an energy transformation is occurring. Draw initial and final images for each step and describe the initial and final types of energy and the object that has the energy. All descriptions should include words such as "in the." In each process, indicate whether energy is transferred, transformed, or both.

1. The vaulter accelerates along the approach.







FROM Chemical potential energy in the vaulter

Kinetic energy of the vaulter

Elastic potential energy in the pole

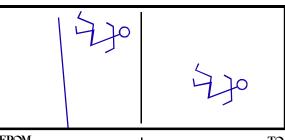
Energy was __Transferred XTransformed _Both

Energy was __Transferred _Transformed XBoth

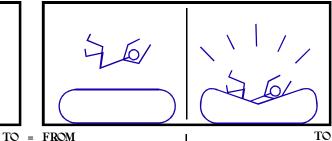
3. The vaulter rises.



4. The vaulter descends.



5. The vaulter lands.



Elastic potential energy in the pole

TO = FROMGravitational potential energy of the vaulter

Kinetic energy of the vaulter

Work to deform bag Sound an thermal energy released

Energy was
$$_$$
Transferred $_$ Transformed $\\\underline{\times}$ Both

Energy was __Transferred \(\times Transformed \)_Both

Energy was __Transferred _Transformed XBoth

PhyzSketches: Energy Transformations

ENERGY AND THE DART GUN



In each step of the sequence, an energy transformation is occurring. Draw initial and final images for each step and describe the initial and final types of energy and the object that has the energy. All descriptions should include words such as "in the."

