

Analysis Questions: Answer each question in complete sentences.

1. What are the kinds of potential energy that your frogs had in this lab?
2. What are some other examples of things that have elastic potential energy?
Gravitational potential energy?
3. What is kinetic energy? What are some examples of things that have kinetic energy?
4. How high and how far did the frog you folded out of paper jump? How did this compare to the distances jumped by the frogs of others in the class? What might be some reasons for any differences?
5. How high and far did the frog you folded out of card stock jump? How did this compare to the distances jumped by the frogs of others in the class? What might be some reasons for any differences?
6. What happened when you put the plastic inside the card stock frog? Infer why this happened.
7. What do you think would happen if you put the transparency film in the paper frog? Explain.

8. At what point did the frog have the most gravitational potential energy? Why?

9. When did the frog have the most elastic potential energy? Why?

10. When did the frog have kinetic energy? When was there no kinetic energy?