

Lab 7A Debrief

Concepts:

- *Speed* does NOT have *energy* - *objects* have energy
 - > speed increases or decreases
 - > objects with more speed have more *kinetic energy*
- Energy is NOT created by objects
 - > energy is transferred from 1 object to another
 - > total energy remains the same (Law of Conservation of Energy)

3. d.

1. $GPE \rightarrow KE$

2. $KE \rightarrow \text{Elastic PE}$

3. $\text{Elastic PE} \rightarrow KE$

4. $KE \rightarrow GPE$

3. e. friction forces cause some energy to be "lost" to system

f. greater drop position =
greater GPE =
greater KE =
greater speed

g. some energy is "lost" to system due to friction