

Short Answer Questions

Name _____

- 1) Is it possible for a small car to have the same momentum as a large Semi? Explain.

- 2) Suppose you have gotten stranded in the middle of a frozen lake and there is no friction whatsoever (*this means you can **NOT** skate, walk, crawl, jump...*). How might you use your knowledge of physics principles to get yourself off the ice? Explain.

- 3) If energy can not be destroyed, why do some people worry about energy supplies?

- 4) From time to time, people claim to have invented a machine that will run forever without energy input and develops more energy than it uses (*perpetual motion*). Why would you have reason to question such a machine?