

6.) What is the standard SI unit for measuring force (weight)? 1 mark

7.) How much force is required to lift a "D" cell battery? How much force is needed to lift a full 1 litre carton of milk? 1 mark

8.) To completely describe an objects force, what two conditions about that object must first be determined? Pg. 300 1 mark

9.) What two factors affect an objects gravitational force? 1 mark

10.) A person has a mass of about 75 kilograms. Their weight would be about 750 N (newtons) on the Earth's surface. In an airplane their weight would be less, and their mass would be the same. Why would this be true? 2 marks

11.) Classify the follow statements as weight or mass: 4 marks

12.) $1\text{Kg} = 9.8\text{N}$ (about 10N), 1 pound is not a metre unit, but it equals about 4.5 N . Calculate your weight in newtons. Show your work 1 mark-if work shown

13.) What direction is this elevator travelling? Explain how you know? 2 marks.



