



Student worksheet

8.1 Earth's gravity pulls objects to the centre of the Earth

Pages 144-145 and 210

Gı	rav	ity
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G	Gravity							
1	Wr	Write the definition of the following words:						
	а	gravity						
	b	gravitational field						
	С	weight						
	d	mass						
	е	newton						
Isa	ac N	ewton is pictured below on the day he first pondered the idea of gravity.						
		ing the diagram, explain why the apple fell to ground.						





3			s of 200 grams. Using the diagr at would its weight be:	am of the	Earth	Moon
	DITC	-	at would its weight be.			
	а	on Earth?				
	b	on the Moon?			Mass = 1 kg	Mass = 1 kg
	С	on Jupiter?			Weight = 9.8 N	Weight = 1.6 N
					Jupiter	
4		suming Newton's night:	nass was 60 kilograms, what w	as his	Mass = 1 kg Weight = 23.6 N	
	a	on Earth?				
	b	on the Moon?				
	С	on Jupiter?				
5	In t the	he space provided ground at the sam	l, draw a labelled diagram to ex ne time when dropped from the	plain why a te same height.	nnis ball and a c	ricket ball would hit
EX	TE	ND YOUR UN	DERSTANDING			
6	Wh	at were another fiv	ve discoveries made by Sir Isaa	ac Newton?		