Middle School Science

Name:

Date:

Gravity Worksheet

This worksheet accompanies slide 11 of Gravity.ppt

Your weight on different planets

Calculate how much you would weigh on different planets in the Solar System.

- Find your mass in kg by standing on a scale.
 Your mass never changes, no matter where you are in the Universe.
- 2. Use the information below to calculate your weight on different planets and fill in the table.

Planet	Gravitational field strength	Your mass (kg)	Your weight on the planet (N)
Mercury	3.8		
Venus	9.1		
Earth	10.0		
Mars	3.8		
Jupiter	25.3		
Saturn	10.6		
Uranus	8.9		
Neptune	11.2		

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Conclusions Use some of t	he words at tl	he bottom to co	omplete these s	entences.			
My mass al	ways			on dif	fferent planets.		
My weight		on different planets.					
I am heavie	st on		and .		······································		
I am lightes	t on			······································			
			is the most similar to Earth's.				
ſ	Saturn	Jupiter	varies	Mercury	Mars		
	think your we	e same	Venus	Neptune	decreases	planets?	
What do you f Explain your	think your we					planets?	