Name:	Group:	Date:
Effects of a force		STUDENT BOOK pp. 70, 355, 369

Effects of a force	STUDENT BOOK pp. 70, 355, 369
1. True or false?	
a) The words force and energy are synonyms.	
b) Force can modify the movement of a body.	
c) Force can change the shape of a body.	
d) Force can change the quantity of matter in a body.	
e) Compressive force is force pressing on a body.	
f) Tensile force cannot cause a body to move.	

2. Match each type of force with its effect.

Type of force	Effect
a) Tension	Makes a body smaller under the effect of compressive forces.
b) Shearing	Makes a body longer under the effect of tensile forces.
c) Compression	Curves a body under the effect of several forces usually acting perpendicular to the body.
d) Bending	Occurs when two forces are exerted in a rotating movement in opposite directions.
e) Torsion	Occurs when two forces are exerted at almost the same spot in parallel but opposite directions.

3.	The effects of a force may cause permanent deformation, elastic deformation or fracture. Explain the difference between these three consequences and give an example for each one.		