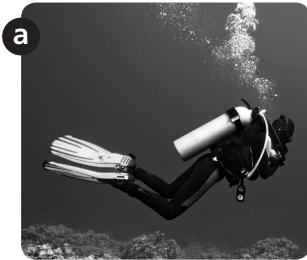


UNIT 6 DIAGNOSTIC TEST

Name: _____

Class: _____

1 Unjumble the letters to label the photos of forces.


y a u o b y c n

buoyancy

y i a g v r t



c o r n t r f i



m s g a i t e n m

2 Label the photos with the words in the box.

pulley

screw

~~inclined plane~~

wedge

wheel and axle

*inclined plane*
3 Use the words from activity 2 to complete the sentences.

a A _____ can cut or hold objects in place.

b A _____ helps transport objects faster.

c A _____ lifts and lowers objects.

d A _____ joins two objects together.

e An _____ makes it easier to move objects to different levels.

4 Tick (✓) the simple machines.

- a screw
- b tennis racquet
- c bicycle
- d door handle
- e scissors

5 Match to make true sentences.

A complex machine consists of	or remove heat.
Complex machines use	calculations or transform information.
Mechanical machines make	simple machines working together.
Thermal machines produce	different sources of energy.
Information processing machines make	objects move.

6 Write the energy sources the machines use.

water the Sun oil