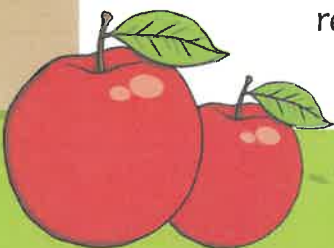


Forces

e c r o f y p s e p
l d a h p c u u c m
i e d n r n l l n a
y c v n e a l y a t
t a p e e y e m t e
i f e d r o e g s r
v r s n h u z t i i
a u r s d b a e s a
r s p u l l e y e l
g o n o i t c i r f

gravity
force
pulley
resistance
gear

buoyancy
friction
lever
surface
material



Forces and Magnets

z i a t t r a c t m z y
k r e s i s t a n c e y
s t r o n g h i w e a k
z s u r f a c e h t s s
y m h p f f d g g o f f
i a k u i r c e a a p f
c g n l e i i r x d n r
x n p l l c c l t n e e
k e k s d t e y p g w p
j t w s n i y n u e r e
m i o l p o l e s t c l
l c i r a n d y h s d f

magnetic

surface

pull

friction

weak

push

attract

strong

magnetic **poles**

repel

resistance

magnetic **field**

Air Resistance

a p m o v e m e n t k s h
m i o f o r c e u v t u p
y t r a v e l f g r i r a
f l m r o p p r e i o f r
r x y z e u c a n f b a t
i j k l s s m v q r j c i
c v w h y l i b c d e e c
t g i j i s m s o p c a l
i a u n i x p h t b t r e
o r e b i e k a m a o e s
n d l t e v w p y z n a k
c e e d s i z e k l m c l
a e r o d y n a m i c j e

air resistance

force

friction

drag

surface area

particles

movement

streamlined

shape

size

speed

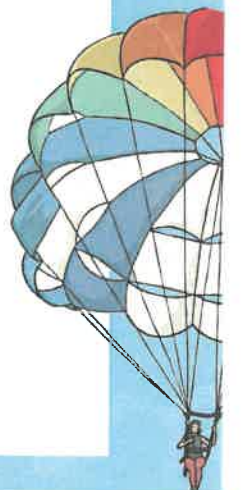
push

invisible

travel

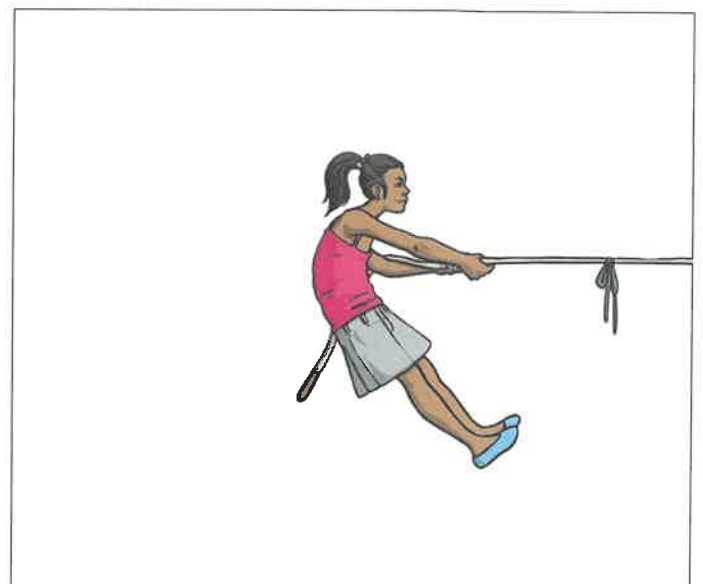
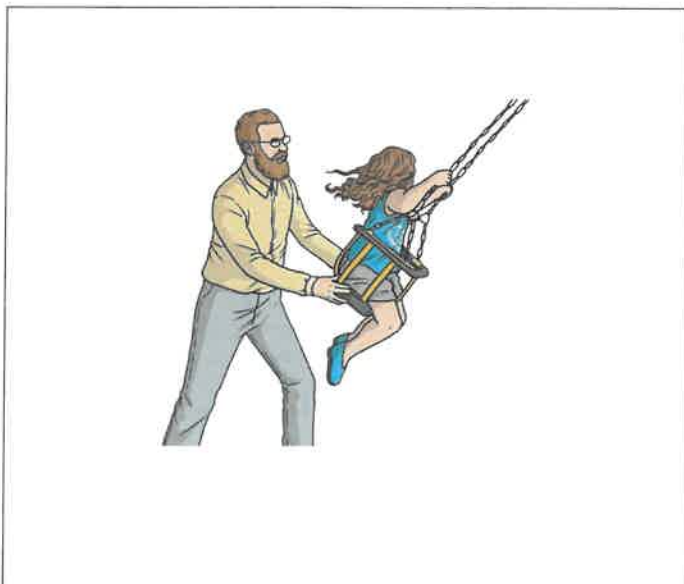
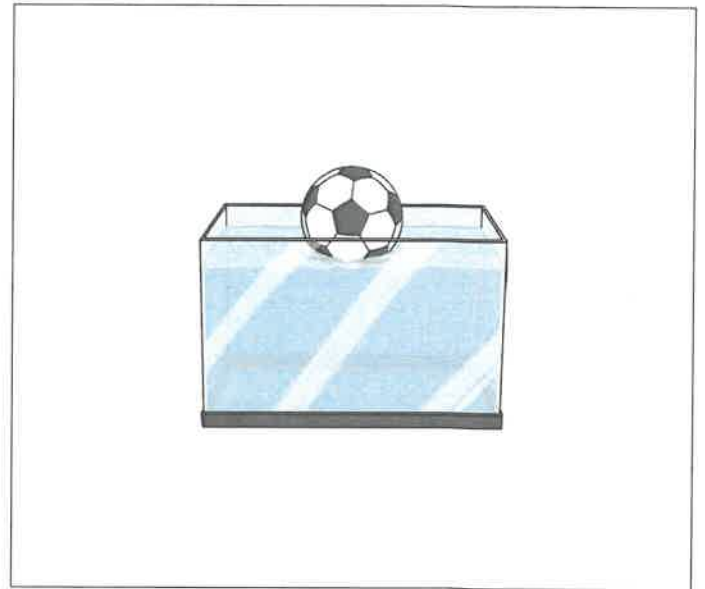
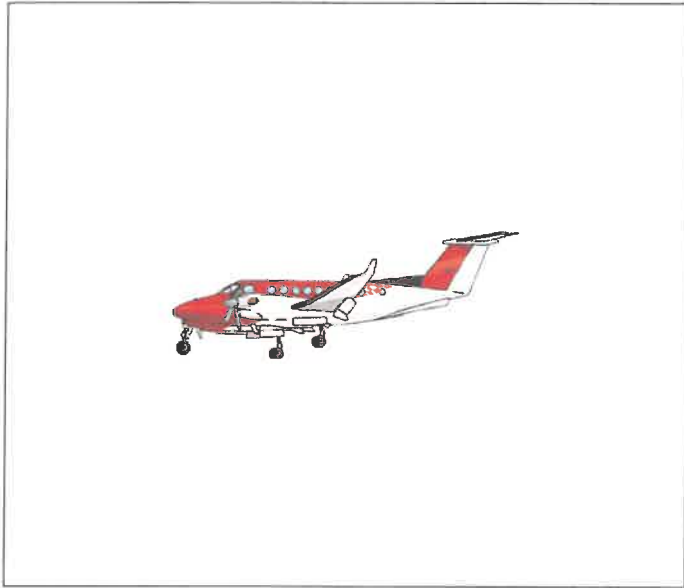
aerodynamic

object



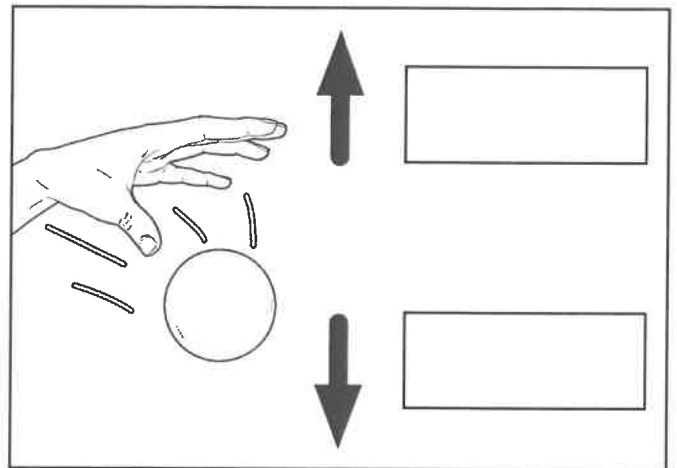
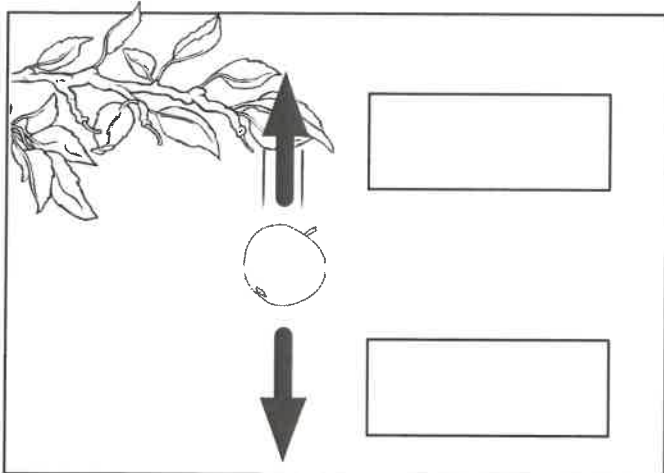
Citnines and Emeralds
Forces in Action

Draw arrows on the pictures below to show the forces acting in them.

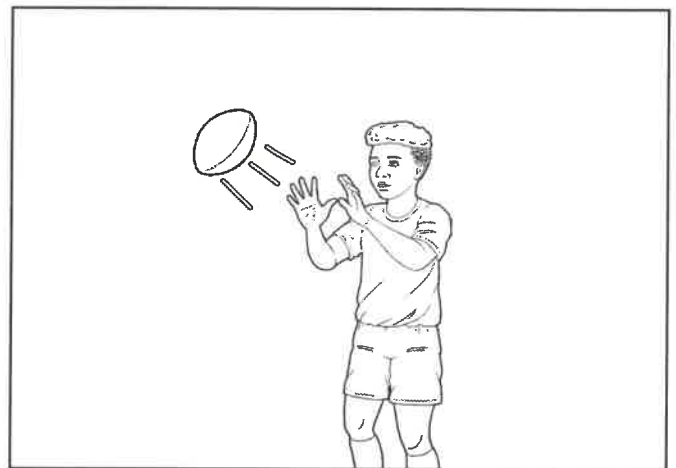
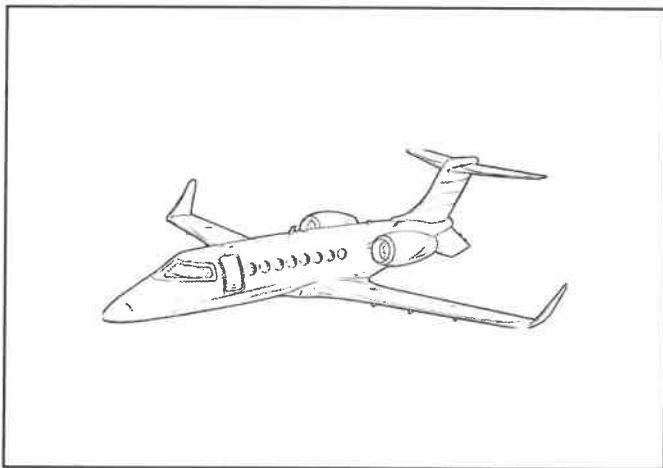


In the two pictures below, the arrows represent forces acting. Write the names of the forces in the boxes.

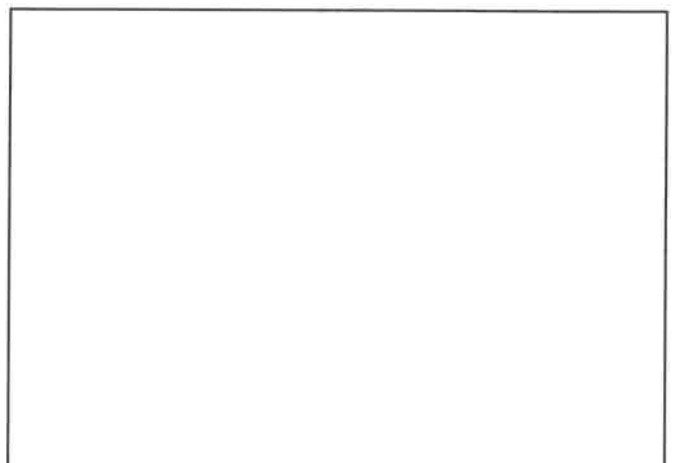
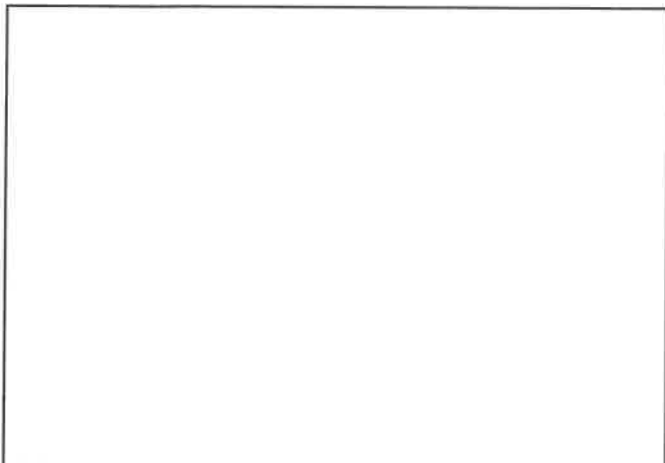
Sapphires



Draw your own arrows and label them to show the forces acting.



Draw your own pictures in the boxes below. Then label them and draw your own arrows to show the forces acting.

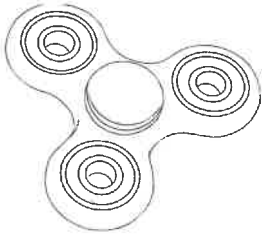


Amethysts

Friction - Advantages and Disadvantages

Look at the images and decide if friction is an advantage or disadvantage in the situation, then colour in the box you have chosen. Explain why.

fidget spinner



advantage

disadvantage

My explanation:

running shoes

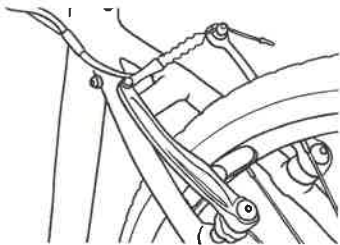


advantage

disadvantage

My explanation:

bike brakes



advantage

disadvantage

My explanation:

playground slide



advantage

disadvantage

My explanation:
