

12 Re-write these words by adding the missing vowels to complete them. Use the meanings given to help you.

Letters	Word	Meaning
m t n	_____	movement
n w t n	_____	unit of measurement
n r t	_____	resistance to a change in movement

13 Write in all the missing vowels to complete this sentence.

N__wton's f__rst l__w of m__t__n says that to ch__nge the m__v__m__nt of an obj__ct, we need to __se a f__rc__.

14 Write these four words in the spaces below. The lines break them into syllables.

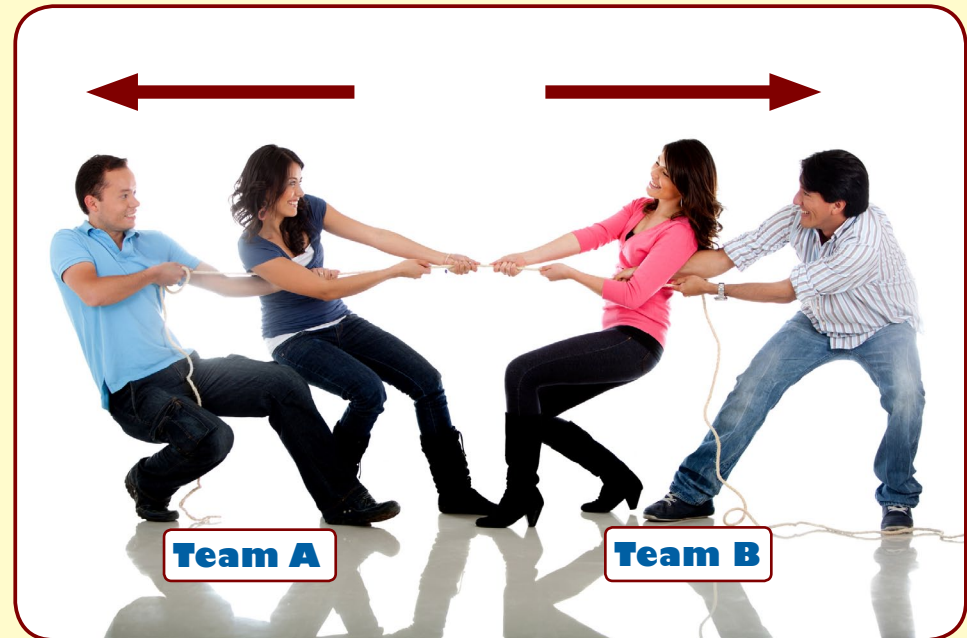
newton movement motion inertia

____ / ____ ____ / ____
 ____ / ____ ____ / ____ / ____

Hint
 The syllable rule
 Every syllable needs to
 have a vowel.

15 Look at the picture. Both teams are applying equal forces, but in opposite directions. What force are they using?

p_____g



16 If Team A pulls harder than Team B, what will happen? Finish the sentence.

Team A will make Team B move _____.

17 Select the thing from each pair that has the most matter.

cricket ball

snowflake

feather

emu

train

boomerang

frisbee

car

18 Match these words to their meanings by writing them in the correct spaces.

stop **mass** **forwards** **acceleration** **speed** **slow**

- _____ amount of matter
- _____ the opposite of fast
- _____ the opposite of backwards
- _____ an increase in speed
- _____ the opposite of start
- _____ the rate a thing moves at

19 Change this word beginning into different forms using the letters provided.

acce

add 'rate' _____

add 'ration' _____

add 'rating' _____

20 Write the opposites of these things in the spaces provided.

pushing ___||_____

stopping st_____

stable u__s_____

strong w_____

slowing down sp_____ up

unequal _____

21 Which of these action forces is greater? Write *greater* in the correct box.

