****	キャキャ	TTTT	
L	. N. Coakley Scie	ence Department	
r orces, r	ypes of Forces a	na Net i orce Wo	rksileet.
Name:		Date:	Grade:
Watch the video and a	nswer the followir	ng questions abou	t forces.
https://voutu.be/	xxK8N23nx9M?list=PL9lo	ouNCPbCxUrOkFLoPwB6	7nDbhw2NfAO
nttps://youtu.se/	CKOTYZSTIKSTYT TIGOT ESTO	and sexol gar for who	TIDSTIW2MAO
<ol> <li>Which of the foll</li> </ol>			
	1501 1100	best define the co	ncept of force?
A) A push or a p	owing statement tull upon an object		ncept of force?
A) A push or a po B) Only a pull. C) A push or a	ull upon an object		ncept of force?
A) A push or a pull.	ull upon an object		
<ul><li>A) A push or a per</li><li>B) Only a pull.</li><li>C) A push or a per</li><li>Object.</li></ul>	ull upon an object		
<ul><li>A) A push or a per</li><li>B) Only a pull.</li><li>C) A push or a per</li><li>object.</li></ul>	ull upon an object		
<ul><li>A) A push or a per</li><li>B) Only a pull.</li><li>C) A push or a per</li><li>object.</li></ul>	ull upon an object		
<ul><li>A) A push or a per</li><li>B) Only a pull.</li><li>C) A push or a per</li><li>object.</li></ul>	ull upon an object		

**BLIVEWORKSHEETS** 

A for	ce is a	quanti	ty, it means	that they ha	ve both
	and		The S. I. ur	nit of force is _	
().	The forces a	re divided in	two main	categories the	ese are
-	in wh	nich the two ob	ects are physi	cally touching,	such as
		and		_ forces. Th	e othe
categ	ory is	in this o	ase the two	objects are pl	hysically
separ	ated, such as	·			and
2	fo	rces.			
3. Watch	the video and sa	ay true (T) or fa	lse (F), to the	following state	ments:
<u>ht</u>	tps://youtu.be/PL8AT	KipoB4?list=PL9louN	<u>CPbCxUrQ</u> kFLoPwBi	57nDbhw2NfAO	
<u>ht</u>	tps://youtu.be/PL8AT	Kipo B4?list=PL9louN	<u>CPbCxUrQkFLoPwB</u> i	57nDbhw2NfAO	
					but no
					but no
					but no
	T) / (F)				but not

	e)/The normal force upon an object is in opposite direction to the
	gravitational force acting on this object.
	f)/The normal force (N) and the gravitational force (F <sub>g</sub> ) acting of
	an object who is at rest are unbalance forces and the Net force is ≠ 0
	g)/The pushing or pulling force acting upon an object that is
	rest are balance forces, and the Net force is = 0.
	h)/The normal force (N) and the gravitational force (F <sub>g</sub> ) acting of
	an object who is moving at constant velocity over a surface and is no experimenting any vertical motion is an example of balance forces an
	the Net force is = 0.
	i)/The normal force (N) and the gravitational force (F <sub>g</sub> ) acting of
	an object who is increasing its velocity while is moving over a horizont
	surface and is not experimenting any vertical motion is an example
	unbalance forces and the Net force is ≠ 0.
4.	The diagram bellow shows the free diagram of some forces acting on a
a)	object. What is the net force in the x axis? N,
- 22	What is the net force in the y axis?N,
-,	
	A 3N
	5 N → 5 N
	4 N
	7.17
c)	Are balance forces acting on the x axis? Yes No

## 5. The diagram bellow shows the free diagram of some forces acting on an object. a) What is the net force in the x axis? \_\_\_\_ N, \_\_\_\_\_. b) What is the net force in the y axis? \_\_\_\_\_N, \_\_\_\_. \*\*\*\*\* \*\*\*\* c) Are unbalance forces acting on the y axis? Yes . No . d) Why? 6. The diagram bellow shows the free diagram of some forces acting on an object. a) What is the net force in the x axis? \_\_\_\_ N, \_\_\_\_\_. b) What is the net force in the y axis? \_\_\_\_ N, \_\_\_\_\_. Ċ c) Are balance forces acting on the x axis? Yes \_\_\_\_. No \_\_\_\_. d) Why?

	oject.
	/hat is the net force in the x axis? N,
b) W	/hat is the net force in the y axis? N,
	D 8 N 4 N 4 N 4 N
	6 N - 3 N
	9 N
c) A	re unbalance forces acting on the x axis? Yes No
d) W	/hy?
	he diagram shows a submarine moving in the direction of the arrow
	he diagram shows a submarine moving in the direction of the arrow
8. T	he diagram shows a submarine moving in the direction of the arrow
8. T	he diagram shows a submarine moving in the direction of the arrow  What term is used for the force acting against the motion of the submarine?  a) Thrust
8. T	when diagram shows a submarine moving in the direction of the arrow.  What term is used for the force acting against the motion of the submarine?  a) Thrust  b) Drag
8. T	What term is used for the force acting against the motion of the submarine?  a) Thrust b) Drag c) Up-thrust
8. T	when diagram shows a submarine moving in the direction of the arrow.  What term is used for the force acting against the motion of the submarine?  a) Thrust  b) Drag
8. T	What term is used for the force acting against the motion of the submarine?  a) Thrust b) Drag c) Up-thrust
8. T	What term is used for the force acting against the motion of the submarine?  a) Thrust b) Drag c) Up-thrust
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