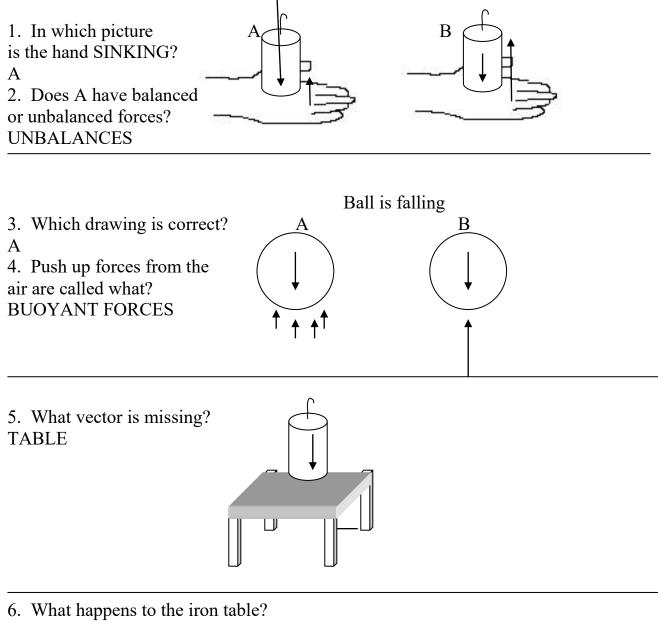
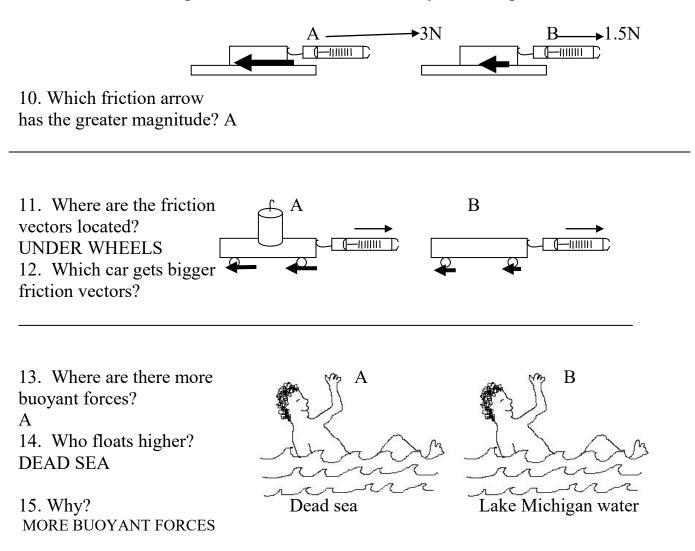
VECTOR DRAWING REVIEW FOR FINAL





TRIMESTER 3 FINAL EXAM F	REVIEW		NAME	
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7. Which takes more force?		les l		
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8. Why?		<u> </u>		
FIGHTS GRAVITY	L		L	

9. Draw in the missing friction arrows. Make sure they are the right size.



Please write the definition next to the vocabulary word:

Balanced forces- equal forces resulting in NO motion Buoyancy/buoyant forces- push up forces in liquids or gases Compression/compress- to press together Distort/distortion- to change shape, size, etc. TRIMESTER 3 FINAL EXAM REVIEW 7th GRADE SCIENCE

NAME

<u>Elastic limit</u>- maximum stress something takes before being permanently changed or damaged.

Elasticity- tendency to return to original shape after being distorted Field forces- invisible forces that act at a distance (gravity, magnetism) Flexing/flex/flexion- to bend **Fracture**- to break Free body diagram- a drawing of forces Friction - a resisting force that opposes motion Gravity/gravitational force- force that pulls all objects toward earth Interaction at a distance- to act from afar without physical contact Interaction/interact- to act together or affect each other Magnitude- the amount or value of something Mechanical forces- visible forces involving contact Newton- the unit for measuring forces **Resistance-** a force that opposes motion Shearing/shear- opposite forces acting parallel to each other Spring scale – device used to measure force Strain- change in length Stress- the effect of a distorting force System- group of items acting together as one Tension- pulling apart Twisting/twist- a stress that causes motion around an axis Unbalanced forces- unequal forces that create motion Vector- a force arrow

What is Newton's first law? AN OBJECT IN MOTION/ AT REST TENDS TO STAY IN MOTION/ AT REST UNLESS AN OUTSIDE FORCE ACTS UPON IT.

What is Newton's second law? FORCE = MASS X ACCELERATION What is Newton's third law? FOR EVERY ACTION, THERE IS AN EQUAL AND OPPOSITE REACTION

What is the difference between static, sliding, and rolling friction? STATIC- FRICTION WHEN NOTHING IS MOVING SLIDING- FRICTION WHEN THINGS ARE SLIDING PAST EACH OTHER ROLLING- FRICTION BETWEEN WHEELS AND A SURFACE