Name:	HW Unit 7:2 — Newton's Laws and Forces	Assigned: Fri., 1/26 and Mon., 1/29
Period:	Mr. Murray, IPC cstephenmurray.com	Due: Tues., 1/30 and Wed., 1/31
1. What is a force? 2. Why are forces vectors (be specific) 3. Find the net force of the following, (A)  A)  10 N M 4 N  B)  12 N M 12 N  C)  12 N M 12 N  12 N	? A) Which are a B) Which have C) Which cann E) Which could F) Which could G) Which could H) Which could I) Which cann  5. Your friend has to a parking lot A) To start C) To keep	balanced forces?
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<ul><li>7. Which has more inertia?</li><li>A) A 10 m/s car or a 20 m/s car?</li><li>B) A heavy rock or a light rock?</li><li>C) An astronaut on the earth or in</li></ul>	the car lighter.	ton's Laws applies?  ng car needs to accelerate faster, so they make  ush your knuckles into a table and your knuckles
<ul><li>8. Balanced or unbalanced forces?</li><li>A) When an object is changin</li><li>B) When an elevator starts to</li></ul>	C) For a s the force of gra	ky diver to fall thru the air at a constant speed, vity and the force of air friction must be equal.
C) When an elevator is between	en floors? 12. TAKS: Which	is more specific: Class or Phylum?

13. Which is more general: Kingdom or Genus?

15. Which of the four are most alike?

A. Ursus maritimus

C. Ursus arctos

14. Which are we more alike: a clam or a tree? Why?

B. Ailuropoda melanoleuca

D. Melursus ursinus

D) \_\_ When a car is using cruise control?

or \_\_\_\_\_. (Use this for the next question.)

10. A car has three ways to accelerate. What are they?

9. An unbalanced or net force causes an object to change \_\_\_\_\_

E) \_\_\_ When a car is coming to a stop?