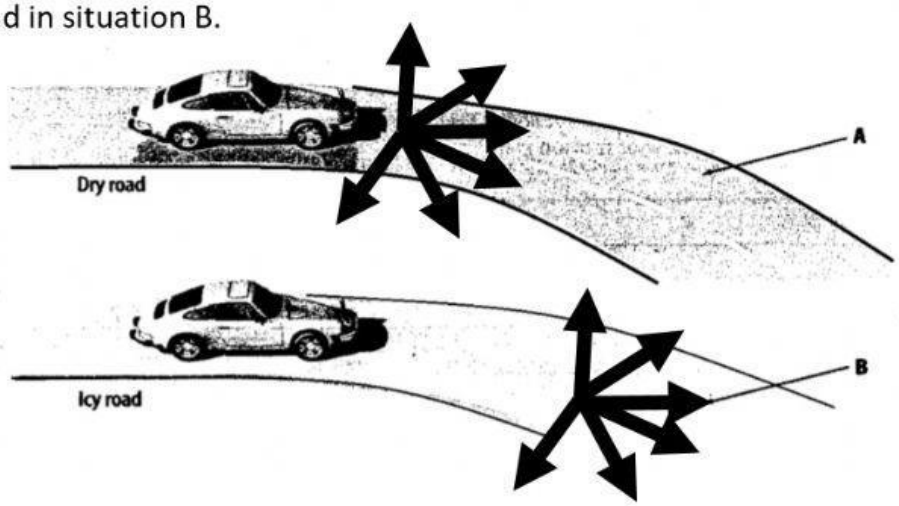
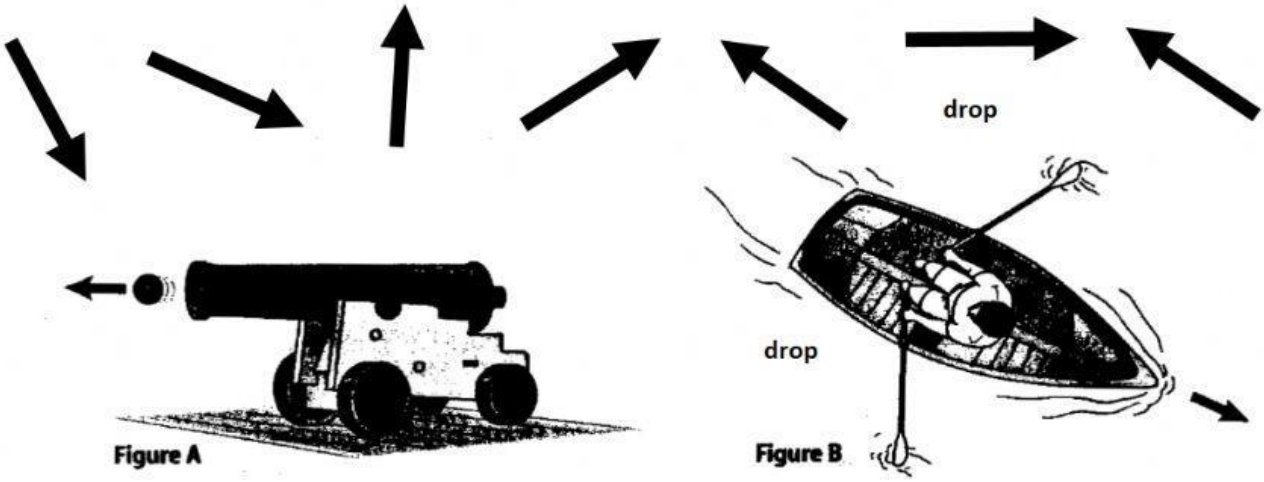
FORCES Key Concepts

1. Select the arrow that shows the direction of the car's inertia in situation A.
2. Select the arrow that represents the direction of the force that is keeping the car on the road in situation B.



3. What type for friction does the arrow you picked in situation B represent if the force of friction turns out to not be great enough to overcome the car's inertia?
4. Drag and drop the correct arrow(s) to show the direction the cannon will moved when fired.
5. Drag and drop the correct arrow(s) to show the direction the oars must move to propel the boat forward.



6. Does the arrow(s) you picked for the cannon represent the **action** or **reaction** force?
7. Does the arrow(s) you picked for the boat represent the **action** or **reaction** force?
8. If the force that propels the cannonball is 500 N, how much force will move the cannon backward? ____ N