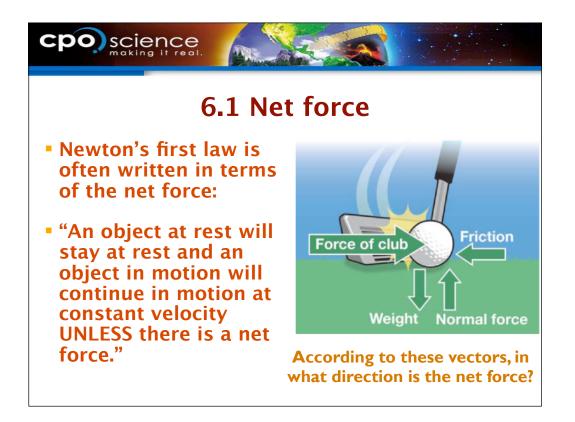
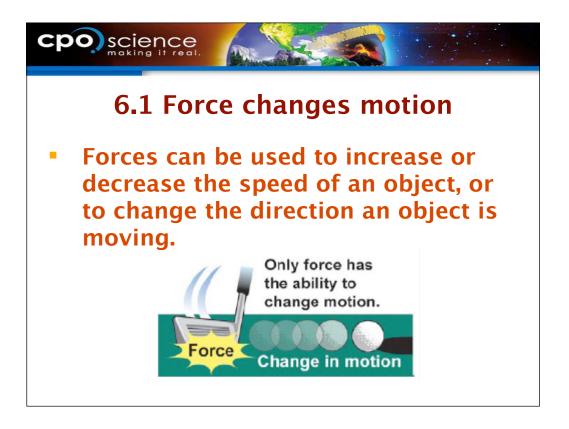




## 6.1 Law of inertia

- Newton's first law says that objects continue the motion they already have unless they are acted on by a net force.
- If the net force is zero, an object at rest will stay at rest.
- If an object is acted upon by unbalanced forces, its motion will change.





## cpo science 6.1 Law of inertia Inertia is the property of an object that resists changes in motion. **Objects with more** mass have more A bowling ball A golf ball inertia and are 5000 grams 50 grams 5 kilograms 0.050 kilogram more resistant to changes in their Which ball has more motion. inertia?

