Nallie Period Date Period	Name:		Date:		Period:	
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Inertia

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 Objects in motion stay in		Inertia is a property of to remain as they are.
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Net force =		combination of all forces acting on that object
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If Isabelle weighs 100 Newtons, what would the force of		• Is her motion changing?
		If Isabelle weighs 100 Newtons, what would the force of
tension on each line be?		tension on each line be?
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Fill in the arrows and the forces for each example. Use the given information to determine
the missing force.
What type of net force will cause a change in motion?
Why did the ball initially begin to move?
N Right N Left
$\Sigma F =$
N Left N Right
ΣF =
N Right
N Right
ΣF =
Unbalanced forces cause a change in an object's
• A change in velocity is an
o
o
o
• An object must have an force acting on it in order to
accelerate.