

Net Force Homework

Directions: Complete the Mild, Medium, and Hot categories of this assignment by calculating the forces shown on the diagrams

<p>Mild </p> <p>Follow the checklist to complete the net force diagrams below.</p> <ol style="list-style-type: none"> 1. Calculate the net force mathematically 2. Draw the net force arrow 3. Indicate if the forces are balanced or unbalanced 4. Indicate whether or not the object accelerates 	
<p>A)</p> <ol style="list-style-type: none"> 1. Net force = _____ 2. Draw the net force arrow below. 3. The forces are: <ol style="list-style-type: none"> a. balanced b. unbalanced 4. The object: <ol style="list-style-type: none"> a. accelerates b. does not accelerate <div style="text-align: center; margin-top: 20px;"> </div>	<p>B)</p> <ol style="list-style-type: none"> 1. Net force = _____ 2. Draw the net force arrow below. 3. The forces are: <ol style="list-style-type: none"> a. balanced b. unbalanced 4. The object: <ol style="list-style-type: none"> a. accelerates b. does not accelerate <div style="text-align: center; margin-top: 20px;"> </div>

<p>C)</p> <ol style="list-style-type: none"> 1. Net force = _____ 2. Draw the net force arrow below. 3. The forces are: <ol style="list-style-type: none"> a. balanced b. unbalanced 4. The object: <ol style="list-style-type: none"> a. accelerates b. does not accelerate <div style="text-align: center; margin-top: 20px;"> </div>	<p>D)</p> <ol style="list-style-type: none"> 1. Net force = _____ 2. Draw the net force arrow below. 3. The forces are: <ol style="list-style-type: none"> a. balanced b. unbalanced 4. The object: <ol style="list-style-type: none"> a. accelerates b. does not accelerate <div style="text-align: center; margin-top: 20px;"> </div>
--	--

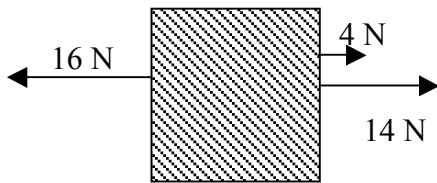
Medium



A)

Net force = _____

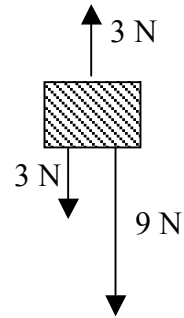
Describe the motion of the object: _____



B)

Net force = _____

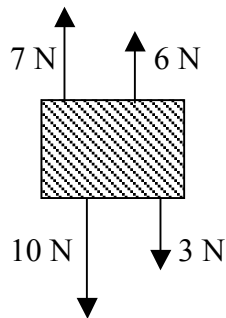
Describe the motion of the object: _____



C)

Net force = _____

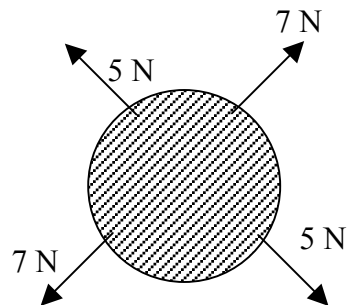
Describe the motion of the object: _____



D)

Net force = _____

Describe the motion of the object: _____



Spicy



1. Jibril pulls on a chair with a force of 32 N to the right. Hickson pulls to the left with a force of 45 N.
a) In which direction will the chair accelerate?

b) Calculate the net force.

c) Draw a picture showing the net force diagram.

2. Vin Diesel is falling out of a plane. The gravity is pulling him down with a force of 124 N. His parachute is pushing him up with a force of 82 N.

a) Draw a picture that shows the net force diagram

b) Calculate net force

c) Write a 1-sentence description that describes Vin Diesel's motion.