Integrated Science	Name	Period
Reviewing Acceleration, We	eight, & Momentum Problems	
Instructions: Complete the f your units.	following problems. SHOW ALL WORK. No wa	ork = no credit. Do not forget
Review		
• What is the equation	for acceleration?	·
• What is the equation	for weight?	·
• What is the equation	for momentum?	,
 What is the unit for fo What is the unit for n What is the unit for a 	orce? nass? acceleration?	
• What is the unit for v	veight?	
• What is the unit ANE) value for acceleration due to gravity on Earth	י?
• What is the unit for n	nomentum?	
• What is the unit for v	elocity/speed?	
F = m = a =		
2. What is the mass of a wrec F=	king ball if it produces a force of 12,000 N while a	ccelerating 3.1 m/s ² ?
m =		
a =		
 What is the acceleration of 30 N? 	f a baseball if it has a mass of 0.45 kg and hits the c	catcher's glove with a force of
F =		
m =		
a =		

 4. A television weighs 25 N. What is its mass on Earth? W =
g =
m =
5. What is the weight for an object that has a mass of 199.4 kg?W =
g =
m =
 6. A marble is rolling at a velocity of 2.5 m/s with a momentum of 0.75 kg•m/s. What is its mass? Momentum =
Mass =
Velocity =
 How much momentum does a 15 kg mass moving at 30 m/s have? Momentum =
Mass =
Velocity =
 What is the velocity of a 10.5 kg object that has a momentum of 1150 kg-m/s? Momentum =
Mass =

Velocity = _____