

Name: _____ Date: _____

MCE PTSA
Science Action: Buoyancy Lab Data Sheet

Activity 1: Displacement - What happens to the water level?

U=Up, D=Down, NC=No Change

Empty plastic cup: _____

Plastic cup with weights: _____

Plastic cup (cut in half) with weights: _____

Activity 2: Aluminum Foil – Did it sink or float?

S=Sink

F=Float

Object	Prediction	Actual Result
Sheet of flat foil		
Sheet of flat foil with weights (caps, pennies, rocks, etc.)		
Aluminum foil boat (empty)		
Aluminum foil boat with weights		

How many weights did your boat hold while still floating? _____

Activity 3: Salt Water: Did it sink or float?

S=Sink

F=Float

Object	Prediction/ Fresh water	Prediction/ Salt water	Actual/ Fresh water	Actual/ Salt water
Egg				
Real Golf Ball				
Plastic Golf Ball				
Plastic Egg				
Plastic Egg with weights				

How many weights did it take to sink the plastic egg in **fresh** water? _____

How many weights did it take to sink the plastic egg in **salt** water? _____

Activity #4: Did it sink or float?

S=Sink

F=Float

Object	Prediction	Actual Result
Craisins		
Lentils		