Vame:	
Date:	

## Worksheet: Classifying Matter

1.	Identify each as a pure substance (PS) or mixture (M). Include a reason for each.			
	(A) lettuce & tomato salad: _	because		
	(B) air:	because		
	(C) wood shavings:	because		
	(D) pond water:	because		
	(E) chalk:	because		
	(F) sugar water:	because		
2.	Identify each as a solution (	S) or heterogeneous mixture (HM). Include a reason for each		
	(A) grape juice:	because		
	(B) toothpaste:	because		
		because		
	(D) cottage cheese:	because		
	(E) paper clip:	because		
		because		
	(B) All substances are made of the same kind of particles.			
	(C) The particles of matter are in motion.			
	(D) Cooling speeds up the motion of particles.			
	(E) Particles all move in one direction.			
	(F) The particles of mo	atter are separated by air.		
	(G) The spaces betwee	n the particles get smaller as matter is heated.		
	(H) Particles of matter	are attracted to each other.		
	(I) Cooling matter wea	kens the attractions between particles.		
	(J) As matter is cooled	d, the particles shrink.		