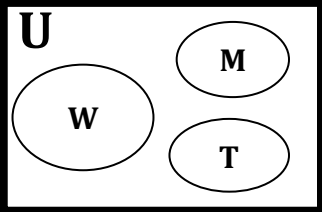
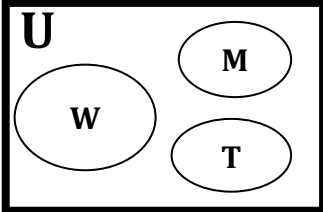
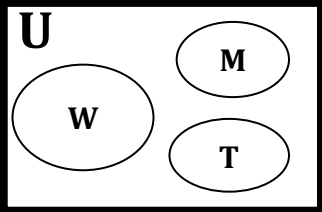
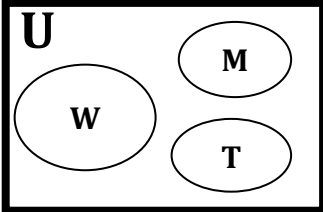
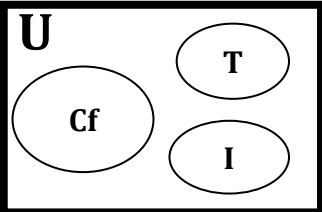
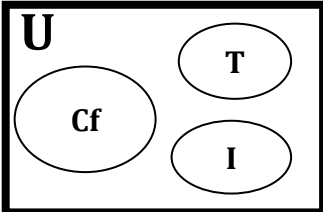
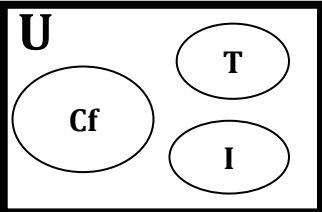
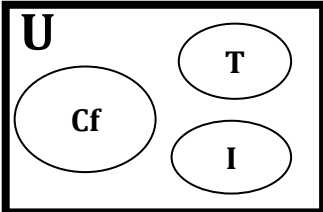


Intersection & Union of Sets Using U Worksheet 2

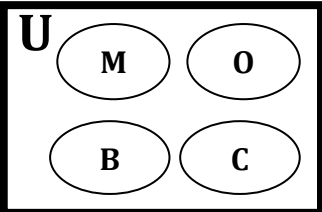
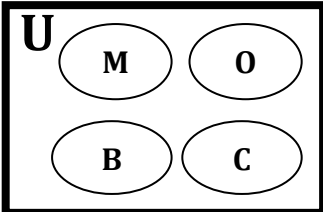
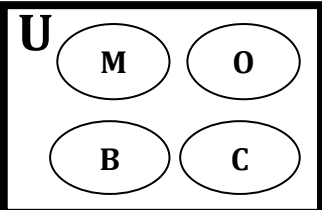
1) On an average day the local vet handles 3 traumas (T), 7 wellness appointments (W), and 5 medicine requests (M). Set U is the type of daily vet appointments.

<p>a) $P(T) =$ _____</p> <p>Shade $P(T)$</p>		<p>b) $P(M \text{ or } T)^C =$ _____</p> <p>Shade $P(M \text{ or } T)^C$</p>	
<p>c) $P(W, M, T)^C =$ _____</p> <p>Shade $P(W, M, T)^C$</p>		<p>d) $P(W \text{ or } M) =$ _____</p> <p>Shade $P(W \text{ or } M)$</p>	

2) 99 people were surveyed for preference of hot tea, hot coffee, or an iced drink. 54 preferred hot coffee (Cf), 21 hot tea (T) and 24 iced drinks (I). Set U is the preferences.

<p>a) $P(Cf) =$ _____</p> <p>Shade $P(Cf)$</p>		<p>b) $P(Cf \text{ or } T) =$ _____</p> <p>Shade $P(Cf \text{ or } T)$</p>	
<p>c) $P(T \text{ or } I)^C =$ _____</p> <p>Shade $(T \text{ or } I)^C$</p>		<p>d) $P(I)^C =$ _____</p> <p>Shade $P(I)^C$</p>	

3) The first 100 ad responders will get a free sapling. There are 30 red maple (M), 50 birch (B), 10 crepe myrtle (C) and 10 oak (O) saplings. Set U is the inventory of saplings.

<p>a) $P(C \text{ or } O)^C =$ _____</p> <p>Shade $P(C \text{ or } O)^C$</p>		<p>b) $P(B \text{ or } O) =$ _____</p> <p>Shade $P(B \text{ or } O)$</p>	
<p>c) $P(M) =$ _____</p> <p>Shade $P(M)$</p>		<p>d) $P(M \text{ or } B)^C =$ _____</p> <p>Shade $P(M \text{ or } B)^C$</p>	