Identify the Independent (IV) and Dependent (DV) Variable of Each Scenario.

1. Justin wants to determine the effect of fertilizer on the growth of grass.
   IV: fertilizer            DV: growth of the grass

2. Randell wants to determine if salinity has an effect on his goldfish.
   IV: salinity           DV: goldfish health

3. James wants to know the effect of studying an extra 10 minutes each day on his Biology grade.
   IV: time studying      DV: grade

4. Joelle wants to determine the effect of pesticides on the size of the apples in the orchard.
   IV: pesticides         DV: Apple Size

5. Billy wants to know if increasing his exercise will decrease the time it takes him to run a kilometer.
   IV: exercise          DV: time to run a mile

6. Angel wants to know if the type of detergent has an effect on the cleanliness of her clothes.
   IV: Detergent         DV: cleanliness

7. Madison wants to determine if the weight of the dog will have an effect on the number of puppies in the litter.
   IV: weight             DV: number of puppies

8. Zack wants to determine if the amount of time spent on social media has an effect on anxiety levels.
   IV: time of social media DV: anxiety

9. Conner wants to determine if the diet of a rat has an effect on the rats overall health (weight, bone density).
   IV: diet            DV: health

10. Allison wants to determine if the deer population in the area is influenced by the coyote population.
    IV: coyote population        DV: deer population