

## Forces and Motion with AKC Agility

Name \_\_\_\_\_

1. If the seesaw is perfectly balanced, are any forces working? If so, what are they?
2. How can a Papillon, an Australian Shepherd, and a Mastiff all make the **same** seesaw tilt?
3. What differences did you notice in the way the three different sized dogs made the seesaw tilt?
4. How far from the fulcrum do the Mastiff, the Australian Shepherd, and the Papillon need to be to tilt the seesaw? (You don't need to give exact measurable distances, just a description of their relative distance.)
5. Why does the Papillon need to be farther from the fulcrum than the other two dogs in order to tilt the seesaw?