

ADAPTATION IN ANIMALS

Name: _____

Action	Time with Thumbs Free (min/sec)	Time without Thumbs (min/sec)
Tie a knot in string		
Remove/ replace your shoe		
Unscrew a cap		
Unbutton and rebutton		
Open Door		
Write Name (on back)		

QUESTIONS:

1. Explain why dog and cat paws are not adapted for doing the six actions above?

2. What are cat and dog paws adapted for that our hands are not?

3. Describe how your hand is adapted for doing the actions you tested.

4. You have an opposable thumb. Explain what you think this means.

5. Why do you feel that human hand adaptations have helped to make humans such a successful species on earth?

6. How does hand adaptation support the scientific idea of evolution? (Explain)

7. Pick two actions in the chart above and complete a bar graph on the back of this paper. Graph the time with and without a thumb. Make sure you include a key, labels, and proper scale.