

Lever in the Human Body



10 Transparency 10-3 Worksheet

Levers in the Human Body

1. When a person lifts his or her chin, what is the source of force?

2. When a person lifts his or her chin, what is the resistance?

3. When a person lifts his or her chin, what is the fulcrum?

4. When a person lifts his or her heel, what is the source of force?

5. When a person lifts his or her heel, what is the resistance?

6. When a person lifts his or her heel, what is the fulcrum?

7. When a person lifts his or her forearm while holding a barbell, what is the source of force?

8. When a person lifts his or her forearm while holding a barbell, what is the resistance?

9. When a person lifts his or her forearm while holding a barbell, what is the fulcrum?

10. Some levers in the human body increase the forces exerted by muscles. Other levers increase the range of motion of the resistance force. Which figures show increased force and which show increased range of motion of the resistance force?

