

Gears Post-Quiz Answer Key

- Gears affect:
 - Speed of rotation only
 - Ability to pull or lift only
 - Work done
 - Both speed and ability to lift or pull**
- For an elevator that needs to lift a lot of weight:
 - Use a high gear ratio (it will lift slowly)**
 - Use a low gear ratio (it will lift quickly)
 - The gear ratio doesn't matter
 - No gears should be used at all
- Using a simple machine affects the total amount of work done.
 - true
 - false**
- Gears are used in engineering designs to: (select all that apply)
 - help lift a heavy load**
 - make things look nice while spinning
 - make wheels spin faster**
 - measure speed
- I think this experiment was cool! **←Opinion; answers will vary**
 - true
 - false