QUEBEC ENVIRONMENTAL SCIENCE AND TECHNOLOGY, SECONDARY IV · UNIT D · 5 QUESTIONS

Technological World and the Environment — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Bright green plant leaves in sunlight. A treatment plant receives wastewater at 320 milligrams per litre of pollutant and discharges at 64 milligrams per litre. The percent removed is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A turbine gear has a driver with 35 teeth turning at 140 revolutions per minute and a driven gear with 70 teeth. The output speed, in revolutions per minute, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Degrees of freedom describe movement still possible for a part that is**

A unlinked

B painted

C heated

D mechanically linked

Understand It with Pulse | Flag a mistake

4 **Heat treatments such as quenching and tempering improve the mechanical properties of**

A glass

B steel

C wood

D paper

Understand It with Pulse | Flag a mistake

5 **In a gear pair, speed changes depend on the relative**

A colours of gears

B masses of gears

C numbers of teeth

D ages of gears

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 80
2. 70
3. D
4. B
5. C

© 2026 Brett Robbins. All Rights Reserved.