

What is Technology and Modern Life?

Worksheet

Technology is the practical application of science to create tools and systems that solve problems and improve life. Modern life means most people rely on smartphones, computers, internet, and automated services.

Questions

1. What is a primary benefit of technology in modern life?

- A) Increases isolation
- B) Enables instant global communication
- C) Reduces job opportunities
- D) Slows down work

2. What is digital transformation?

- A) A phone update
- B) Moving from manual to automated processes
- C) Buying a computer
- D) Watching videos online

3. How does the internet impact education?

- A) It has no effect
- B) Limits learning to classrooms
- C) Enables online courses and global learning resources
- D) Makes books obsolete

4. What is a smart home?

- A) A large house
- B) A home with internet-connected devices for automation
- C) A house made of metal
- D) A home that moves

5. How has technology changed education?

6. What is a digital transformation in business?

7. How does the internet connect people globally?

8. Define: What is technology?

9. Define: How has technology changed communication?

10. Define: What is digital transformation?

Answer Key

1. B) Enables instant global communication — Technology enables instant communication across the globe via messaging, calls, and social media.
2. B) Moving from manual to automated processes — Digital transformation means adopting tech to automate and improve business processes and services.
3. C) Enables online courses and global learning resources — The internet provides online courses, tutorials, AI tutors, and real-time information access, expanding learning beyond classrooms.
4. B) A home with internet-connected devices for automation — A smart home uses connected devices (lighting, temperature, security) that users can control remotely or automate.
5. Before: Books and classrooms were the only learning resources. Now: Online courses, videos, AI tutors provide 24/7 learning. Technology enables personalized, accessible education anywhere.
6. Digital transformation = moving from manual to automated processes. Example: Stores now use inventory software, e-commerce, and online payment. This increases efficiency and reduces human error.
7. The internet links billions of devices across continents. Instant messaging, video calls, and social media enable real-time connection. Distance no longer prevents communication and collaboration.
8. The practical application of scientific knowledge to create tools, devices, and systems that solve problems and improve quality of life.
9. Instant messaging, email, video calls, and social media enable global real-time connection, replacing slower postal and phone methods.
10. The process of adopting digital technologies to change operations, business models, or services for improved efficiency and outcomes.

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