

**CONCEPT** Exponential innovation refers to the rapid and transformative growth of technological advancements, which often lead to the emergence of disruptive technologies that revolutionize entire industries and markets. Disruptive technologies are innovations that fundamentally change the way things are done, disrupting existing business models and creating new markets. Examples of disruptive technologies include the internet, smartphones, and cloud computing.

## REAL WORLD CONNECTIONS

Telemedicine allows healthcare professionals to provide remote consultations and monitoring, helping people in rural areas access better healthcare. Additionally, smart city technologies can enhance public services, transportation, and safety for residents.

Disruptive technologies like renewable energy, battery storage, and smart grids can transform our electrical utility sector. By adopting these innovations, power utilities can provide cleaner, more reliable, and affordable energy to residents. This transition can also create new jobs and economic opportunities.

The agriculture industry can greatly benefit from disruptive technologies like precision farming, which uses data-driven insights and automation to optimize crop management. By implementing these technologies, farmers can increase productivity, reduce costs, and minimize environmental impact.

