

Physics  
Unit 5 Assessment

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Choose the correct answer.

1. What evidence is there of The Big Bang?
  - a) Stars.
  - b) Radiation of a body.
  - c) A sacred book.
  - d) It can be seen in telescopes.
  
2. What is the science that studies celestial bodies?
  - a) Geology.
  - b) Astrology.
  - c) Chemistry.
  - d) Astronomy.
  
3. What is a light year?
  - a) A time scale.
  - b) A distance scale.
  - c) A velocity.
  - d) The same as a year.
  
4. Why are telescopes orbiting outside the atmosphere?
  - a) Because the atmosphere blocks many light frequencies.
  - b) Because they don't break down that much.
  - c) Because they have to be cold.
  - d) Because scientists get more publicity.
  
5. How is it known what stars are made of?
  - a) Little pieces of star are analyzed.
  - b) Humans don't really know.
  - c) Light frequencies from them are analyzed.
  - d) Because of the way they move.
  
6. Which of the following medical developments is linked to physics study?
  - a) Aspirin.
  - b) Magnetic Resonance Imaging.
  - c) Scalpel.
  - d) Penicillin.
  
7. Which of the following medical technologies uses electromagnetic waves?
  - a) Ultrasound.
  - b) X-rays.
  - c) Anesthetic.

- d) Defibrillator.
8. Which is an example of information transmission in space?
- Radio.
  - Telegraph.
  - Internet.
  - Sound.
9. Why short wave radios can tune in radio stations that are in the other side of the world?
- Because the waves of that frequency bounce in the atmosphere.
  - Because they're very powerful.
  - Because they have antennas all over the world.
  - Because there is no interference.
10. Who invented the radio receptor?
- Guillermo Marconi.
  - Nikola Tesla.
  - Alexander Graham Bell.
  - Samuel Morse.
11. According to Einstein's theory of relativity, which is the fastest speed to transmit data?
- Sound speed.
  - 299.792.458 m/s.
  - The speed of electrons in a wire.
  - Infinite.
12. What's a barometer for?
- To measure temperature.
  - To measure pressure.
  - To measure magnetic field.
  - To measure electric power.
13. What's the unit to measure an earthquake's intensity?
- Pascals.
  - Kelvin degrees.
  - Pound over square foot.
  - Richter.
14. Which is the natural phenomenon consequence of an earthquake?
- Tsunami.
  - Waves.
  - Tide.
  - Hurricane.

15. Which is the alternative energy that nowadays could substitute petroleum?
- a) Eolic.
  - b) Geothermal.
  - c) Hydrogen.
  - d) None of the previous.
16. What is the area of Physics in which Mexico is recognized worldwide?
- a) Astronomy.
  - b) Quantum.
  - c) Relativity.
  - d) Nanotechnology.
17. Which of the following options is a historical process deeply influenced by physics?
- a) The French Revolution.
  - b) The Industrial Revolution.
  - c) The Russian Revolution.
  - d) The Protestant Reform.
18. Which are the actions that can help decrease the effects of global weather change?
- a) Energy saving.
  - b) Fossil fuel consumption.
  - c) Wash hands.
  - d) Lithium batteries use.
19. Which is the discipline from which modern physics was born?
- a) Alchemy.
  - b) Hermetic.
  - c) Optics.
  - d) Astronomy.
20. How many Mexican people have won a Nobel Prize because of scientific work?
- a) 1.
  - b) 2.
  - c) 3.
  - d) 4.

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Unit 5 Assessment Answer Key

1. b
2. d
3. b
4. a
5. c
6. b
7. b
8. a
9. a
10. a
11. b
12. b
13. d
14. a
15. d
16. a
17. b
18. a
19. d
20. a