

College Admission

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Questions And Answers PDF Format:

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Total Questions: 165

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Question: 1

Which of the following would be the best title for this passage?

- A. "Simple Generators"
- B. "The Value of Electricity"
- C. "The Production of Electricity"
- D. "Primary Energy Sources"

Answer: C

Question: 2

Based on the information in the passage, which action would increase the efficiency of a simple generator?

- A. lubricating the parts
- B. rotating the coil by hand
- C. increasing the power
- D. venting the steam

Answer: A

Question: 3

The third paragraph of this passage describes

- A. the ways in which a traditional generator loses energy,
- B. the operation of a turbogenerator.
- C. the next generation of turbines.
- D. the development of the first generators.

Answer: A

Question: 4

How much of the fossil fuel production in the United States goes to the production of electricity?

- A. 1/4
- B. 1/3
- C. 1/2
- D. 2/3

Answer: B

Question: 5

Based on the information provided in the passage, which of the following statements is false?

- A. Simple generators lose a great deal of energy through heat
- B. The magnetic field created by an electrical current is opposed to the flow of the current.
- C. There are a few different types of hydroelectric turbine.
- D. Simple generators are more powerful than turbogenerators,

Answer: D

Question: 6

Which of the following is NOT one of the common primary energy sources for turbogenerators?

- A. nuclear power
- B. steam
- C. coal
- D. OIL

Answer: B

Question: 7

Why turbo generators are called that?

- A. Because they require special fuel
- B. Because they are much faster than normal generators
- C. Because they harness the power of automobile engines
- D. Because they combine a turbine with a generator

Answer: D

Question: 8

Based on the information in the passage, which of the following statements is probably true?

- A. Wind turbines are inefficient at present.
- B. Turbogenerators must have steam in order to operate.
- C. Electrical energy is less valuable than heat energy,
- D. Turbogenerators were developed in the nineteenth century.

Answer: A

Use the following information to answer questions:

| | | |
|---------------|---|--------------------|
| 1 acre | = | 43,560 square feet |
| 1 barrel | = | 42 gallons |
| 1 fathom | = | 6 feet |
| 1 foot | = | 12 inches |
| 1 furlong | = | 40 rods |
| 1 gallon | = | 3.785 liters |
| 1 gallon | = | 4 quarts |
| 1 hand | = | 10 centimeters |
| 1 inch | = | 2.54 centimeters |
| 1 kilogram | = | 1,000 grams |
| 1 kilogram | = | 2.2 pounds |
| 1 kilometer | = | 1,000 meters |
| 1 mile | = | 1.609 kilometers |
| 1 mile | = | 5,280 feet |
| 3 mile/hour | = | 4.4 feet/second |
| 1 pint | = | 4 gills |
| 1 pound | = | 16 ounces |
| 1 quart | = | 2 pints |
| 1 slug | = | 14.59 kilograms |
| 1 square mile | = | 640 acres |

If none of the answers listed are correct, select answer e, N for none of the above.

Question: 9

1 quart = ? gallons

- A. 0.25
- B. 5
- C. 0.33
- D. 4
- E. N

Answer: A

Question: 10

2 slugs = ? grams

- A. 29.18
- B. 4000
- C. 29,180
- D. 7.295
- E. N

Answer: C

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