

$$\begin{array}{r} 14 \\ 4 \overline{)56} \\ \underline{4} \\ 16 \end{array}$$

Static Electricity Answer Section

MODIFIED TRUE/FALSE

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|---|---------|--|--------------|
| 1. ANS: T
OBJ: Section 7.1
KEY: grounding | LOC: C5 | PTS: 1
TOP: Static Charge | DIF: Easy |
| 2. ANS: F, electrons | | | |
| | | PTS: 1
TOP: Static Charge | DIF: Average |
| | | OBJ: Section 7.1
KEY: friction | LOC: C5 |
| 3. ANS: T
OBJ: Section 7.1
KEY: static charge | LOC: C5 | PTS: 1
TOP: Static Charge | DIF: Average |
| 4. ANS: T
OBJ: Section 7.1
KEY: conductors | LOC: C5 | PTS: 1
TOP: Static Charge | DIF: Average |
| 5. ANS: F, repel each other, attract | | | |
| | | PTS: 1
TOP: Electric Force | DIF: Average |
| | | OBJ: Section 7.2
KEY: laws of static charge | LOC: C5 |
| 6. ANS: T
OBJ: Section 7.1
KEY: static charge | LOC: C5 | PTS: 1
TOP: Static Charge | DIF: Easy |
| 7. ANS: T
OBJ: Section 7.1
KEY: grounding | LOC: C5 | PTS: 1
TOP: Static Charge | DIF: Easy |
| 8. ANS: T
OBJ: Section 7.2
KEY: electroscope induction | LOC: C5 | PTS: 1
TOP: Electric Force | DIF: Average |
| 9. ANS: T
OBJ: Section 7.1
KEY: static charge lightning | LOC: C5 | PTS: 1
TOP: Static Charge | DIF: Average |

MULTIPLE CHOICE

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| 10. ANS: A
LOC: C5 | PTS: 1
TOP: Static Charge | DIF: Difficult | OBJ: Section 7.1
KEY: properties of electric charges |
| 11. ANS: B
LOC: C5 | PTS: 1
TOP: Electric Force | DIF: Average | OBJ: Section 7.2
KEY: laws of static charge |
| 12. ANS: A
LOC: C5 | PTS: 1
TOP: Electric Force | DIF: Average | OBJ: Section 7.2
KEY: laws of static charge |
| 13. ANS: D
LOC: C5 | PTS: 1
TOP: Electric Force | DIF: Difficult | OBJ: Section 7.2
KEY: laws of static charge |

14.	ANS: C LOC: C5	PTS: 1 TOP: Static Charge	DIF: Average	OBJ: Section 7.1 KEY: electron transfer
15.	ANS: D LOC: C5	PTS: 1 TOP: Static Charge	DIF: Average	OBJ: Section 7.1 KEY: electron transfer
16.	ANS: A LOC: C5	PTS: 1 TOP: Static Charge	DIF: Average	OBJ: Section 7.1 KEY: electron transfer
17.	ANS: D LOC: C5	PTS: 1 TOP: Electric Force	DIF: Difficult	OBJ: Section 7.2 KEY: laws of static charge
18.	ANS: D LOC: C5	PTS: 1 TOP: Static Charge	DIF: Easy	OBJ: Section 7.1 KEY: insulator
19.	ANS: B LOC: C5	PTS: 1 TOP: Static Charge	DIF: Easy	OBJ: Section 7.1 KEY: conductors
20.	ANS: C LOC: C5	PTS: 1 TOP: Static Charge	DIF: Average	OBJ: Section 7.1 KEY: static charge
21.	ANS: A LOC: C5	PTS: 1 TOP: Electric Force	DIF: Average	OBJ: Section 7.2 KEY: laws of static charge
22.	ANS: C LOC: C5	PTS: 1 TOP: Static Charge	DIF: Easy	OBJ: Section 7.1 KEY: electron transfer
23.	ANS: B LOC: C5	PTS: 1 TOP: Electric Force	DIF: Average	OBJ: Section 7.2 KEY: laws of static charge
24.	ANS: B LOC: C5	PTS: 1 TOP: Static Charge	DIF: Easy	OBJ: Section 7.1 KEY: electron transfer
25.	ANS: C LOC: C5	PTS: 1 TOP: Static Charge	DIF: Average	OBJ: Section 7.1 KEY: conductors electron transfer
26.	ANS: B LOC: C5	PTS: 1 TOP: Static Charge	DIF: Average	OBJ: Section 7.1 KEY: conductors insulator
27.	ANS: A LOC: C5	PTS: 1 TOP: Static Charge	DIF: Average	OBJ: Section 7.1 KEY: charge in the atom
28.	ANS: C LOC: C5	PTS: 1 TOP: Electric Force	DIF: Difficult	OBJ: Section 7.2 KEY: laws of static charge
29.	ANS: A LOC: C5	PTS: 1 TOP: Static Charge	DIF: Easy	OBJ: Section 7.1 KEY: conductors
30.	ANS: D LOC: C5	PTS: 1 TOP: Static Charge	DIF: Average	OBJ: Section 7.1 KEY: grounding

COMPLETION

31. ANS: electric discharge
- PTS: 1 DIF: Average OBJ: Section 7.1 LOC: C5
TOP: Static Charge KEY: electron transfer
32. ANS: electrostatic
- PTS: 1 DIF: Difficult OBJ: Section 7.2 LOC: C5
TOP: Electric Force KEY: action-at-a-distance forces

33. ANS: rub

PTS: 1 DIF: Easy OBJ: Section 7.1 LOC: C5
TOP: Static Charge KEY: static charge

34. ANS: lightning

PTS: 1 DIF: Easy OBJ: Section 7.1 LOC: C5
TOP: Static Charge KEY: lightning

35. ANS: insulators, conductors

PTS: 1 DIF: Average OBJ: Section 7.1 LOC: C5
TOP: Static Charge KEY: conductors | insulator

36. ANS: electroscope

PTS: 1 DIF: Easy OBJ: Section 7.2 LOC: C5
TOP: Electric Force KEY: electroscope

37. ANS: grounded

PTS: 1 DIF: Average OBJ: Section 7.1 LOC: C5
TOP: Static Charge KEY: grounding

MATCHING

38. ANS: B PTS: 1 DIF: Average OBJ: Section 7.1
LOC: C5 TOP: Static Charge KEY: static charge

39. ANS: D PTS: 1 DIF: Average OBJ: Section 7.1
LOC: C5 TOP: Static Charge KEY: insulator

40. ANS: A PTS: 1 DIF: Average OBJ: Section 7.1
LOC: C5 TOP: Static Charge KEY: grounding

41. ANS: E PTS: 1 DIF: Average OBJ: Section 7.1
LOC: C5 TOP: Static Charge KEY: electron transfer

42. ANS: B PTS: 1 DIF: Average OBJ: Section 7.1
LOC: C5 TOP: Static Charge KEY: static charge

43. ANS: G PTS: 1 DIF: Average OBJ: Section 7.1
LOC: C5 TOP: Static Charge KEY: Van de Graff generator

44. ANS: F PTS: 1 DIF: Average OBJ: Section 7.1
LOC: C5 TOP: Static Charge KEY: insulator

45. ANS: B PTS: 1 DIF: Average OBJ: Section 7.1
LOC: C5 TOP: Static Charge KEY: proton

46. ANS: A PTS: 1 DIF: Average OBJ: Section 7.1
LOC: C5 TOP: Static Charge KEY: electron

47. ANS: C PTS: 1 DIF: Average OBJ: Section 7.1
LOC: C5 TOP: Static Charge KEY: neutron

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|-----|---------|---------------------|--------------|------------------------------------|
| 48. | ANS: B | PTS: 1 | DIF: Average | OBJ: Section 7.1 |
| | LOC: C5 | TOP: Static Charge | | KEY: grounding |
| 49. | ANS: D | PTS: 1 | DIF: Average | OBJ: Section 7.1 |
| | LOC: C5 | TOP: Static Charge | | KEY: applications of static charge |
| 50. | ANS: E | PTS: 1 | DIF: Average | OBJ: Section 7.2 |
| | LOC: C5 | TOP: Electric Force | | KEY: electroscope |