**Practice Exam Analysis/Study Guide**

***(Released 2018-2019 NCFE & Fa16 NCFE)***

Mark each question missed and then total the number missed from each unit. Then, use this as a study guide for which units and topics you should spend the most time studying for the final exam.

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| **Fa18 NCFE****Question** | **Unit Name/Number** | **Topic** |
| 1 | Astronomy/10 | Earth’s Motions |
| 2 | Oceans/5 | Ocean Tides |
| 3 | Astronomy/10 & Meteorology/6 | Solar Radiation |
| 4 | Severe Weather and Climate/7 | Greenhouse Effect |
| 5 | Astronomy/10  | Earth’s Motions |
| 6 | Plate Tectonics/2 | Plate Boundaries/Movement |
| 7 | Plate Tectonics/2 | Volcanoes |
| 8 | Rocks, Minerals, and Soil/3 | Soils |
| 9 | Plate Tectonics/2 | Earthquake Preparedness |
| 10 | Plate Tectonics/2 | Plate Boundaries/Movement |
| 11 | Fresh Water/4 & Natural Resources/9 | Natural Water Quality & Agriculture |
| 12 | Natural Resources/9 | Energy Sources |
| 13 | Natural Resources/9 | Deforestation |
| 14 | Natural Resources/9 | Mining |
| 15 | Rocks, Minerals, and Soil/3 | Erosion & Mass Movements |
| 16 | Oceans/5 | Density & Surface Currents |
| 17 | Fresh Water/4 | Water Cycle & Groundwater |
| 18 | Climate/7 & Natural Resources/9 | People & Climate Change, Urbanization |
| 19 | Fresh water/4 | Water Cycle & Groundwater |
| 20 | Fresh Water/4 | Groundwater |
| 21 | Fresh Water/4 | Water Cycle |
| 22 | Fresh Water/4 & Oceans/5 | Fresh Water Pollution & Estuaries |
| 23 | Meteorology/6 | Atmospheric Layers |
| 24 | Fresh Water/4 & Natural Resources/9 | Natural Water Quality & Agriculture |
| 25 | Meteorology/6 | Air Masses and Fronts |
| 26 | Meteorology/6 | Air Pressure |
| 27 | Natural Resources/9 | Agriculture |
| 28 | Severe Weather and Climate/7 | Climate |
| 29 | Severe Weather and Climate/7 | Natural Climate Change |
| 30 | Climate/7 & Natural Resources/9 | People & Climate Change, Energy Sources |
| 31 | Oceans/5 | Sea Level Change |
| 32 | Ecology/8 & Natural Resources/9 & Soil/3 | Ecosystems, Deforestation, & Soils |
| 33 | Ecology/8 | Biodiversity & Energy Transfer |
| 34 | Ecology/8 & Natural Resources/9 | Biodiversity & Sustainable Agriculture |
| 35 | Ecology/8 & Natural Resources/9 | Biodiversity & Habitat Loss |
| 36 | Ecology/8 & Natural Resources/9 | Biodiversity & Habitat Loss |
| 37 | Climate/7 & Natural Resources/9 | People & Climate Change, Energy Sources |
| 38 | Natural Resources/9 | Agriculture & Sustainability |
| 39 | Rocks, Minerals & Soils/3 | Soils |
| 40 | Natural Resources/9 | Habitat Loss |
| **Fa16 NCFE****Question** | **Unit Name/Number** | **Topic** |
| 1 | Rocks, Minerals, Soil/3 | Weathering & Erosion |
| 2 | Natural Resources/9 | Urbanization |
| 3 | Rocks, Minerals, and Soil/3 | Soil & Farming Techniques |
| 4 | Oceans/5 | Density Ocean Currents |
| 5 | Fresh Water/4 | Groundwater |
| 6 | Fresh Water/4 | Freshwater/Groundwater Pollution |
| 7 | Fresh Water/4 | Freshwater Conservation |
| 8 | Severe Weather and Climate/7 | Typhoons & Air Masses |
| 9 | Severe Weather and Climate/7 | Chlorofluorocarbons (CFCs) |
| 10 | Astronomy/10 & Meteorology/8 | Earth’s Axial Rotation |
| 11 | Meteorology/6 & Natural Resources/9 | Urban Heat Island Effect |
| 12 | Ecology/8 & Natural Resources/9 | Deforestation & CO2 Emissions |
| 13 | Ecology/8 | Biodiversity |
| 14 | Astronomy/10 & Meteorology/6 | Axis Tilt & Seasons |
| 15 | Ecology/8 | Non-Native Species |
| 16 | Natural Resources/9 | Agricultural Sustainability |
| 17 | Ecology/8 & Natural Resources/9 | Non-Renewable Resources & Population Growth |
| 18 | Severe Weather and Climate/7 & Ecology/8 | Ground Level Ozone & Photosynthesis |
| 19 | Plate Tectonics/2 | Divergent Boundary & Continental Rift Valleys |
| 20 | Plate Tectonics/2 | Volcanoes |
| 21 | Fresh Water/4 & Rocks, Minerals, and Soil/3 | Water Table & Soil Permeability |
| 22 | Fresh Water/4 & Natural Resources/9 | Freshwater Conservation |
| 23 | Meteorology/6 & Astronomy/10 | Layers of Atmosphere & Solar Radiation |
| 24 | Ecology/8 | Biotic vs Abiotic |
| 25 | Rocks, Minerals, and Soil/3 | Weathering & Erosion |
| 26 | Natural Resources/9 | Mining & Drilling |

Student Analysis

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| Unit | Total Number Missed |
| 1—Scientific Literacy |  |
| 2— Plate Tectonics |  |
| 3— Rocks, Soil, & Erosion |  |
| 4— Freshwater |  |
| 5— Oceans |  |
| 6— Atmosphere & Weather |  |
| 7— Climate & Severe Weather |  |
| 8— Ecology & Biomes |  |
| 9— Natural Resources & Sustainability |  |
| 10—Astronomy |  |

Rank the units in terms of what to study 1st, 2nd, 3rd, etc. based on how many questions you missed: