Name _____

Integrated Science

Environmental Chemistry Unit Vocabulary – Nuclear Energy

1. Radioactivity: _____

_____

2. Radioactive Nucleus: _____

_____

3. Isotope: _____

_____

4. Atomic Number: _____

_____

5. Mass Number: _____

_____

6. Nuclear Radiation: _____

_____

7. Alpha Particle: _____

_____

8. Beta Particle: _____

_____

9. Gamma Ray: _____

_____

10. Neutron Emission: _____

_____

11. Nuclear Decay: _____

_____

12. Transmutation: _____

_____

13. Half Life: _____

_____

14. Radioactive Dating: _____

_____

15. Nuclear Fission: _____

_____

16. Fission Chain Reaction: _____

_____

17. Critical Mass: _____

_____

18. Nuclear Fusion: _____

_____

19. Background Radiation: _____

_____

20. Radioactive Tracers: _____

_____

Name _____

Integrated Science

Environmental Chemistry Unit Vocabulary – Alternative Energy

1. Fossil Fuels: _____

_____

2. Renewable Resource: _____

_____

3. Nonrenewable Resource: _____

_____

4. Solar Power: _____

_____

5. Wind Power: _____

_____

6. Hydroelectric Power: _____

_____

7. Geothermal Energy: _____

_____

8. Nuclear Energy: _____

_____

9. Biomass: _____

_____

Name _____

Integrated Science

Environmental Chemistry Unit Vocabulary – Periodic Table

1. Pure Substance: _____

_____

2. Element: _____

_____

3. Compound: _____

_____

4. Atom: _____

_____

5. Molecule: _____

_____

6. Nucleus: _____

_____

7. Proton: _____

_____

8. Neutron: _____

_____

9. Electron: _____

_____

10. Valence Electrons: _____

_____

11. Periodic: _____

_____

12. Chemical Symbol: _____

_____

13. Isotope: _____

_____

14. Average Atomic Mass: _____

_____

15. Atomic Number: _____

_____

16. Atomic Mass: _____

_____

17. Group (Family): _____

_____

18. Period: _____

_____

19. Bohr Diagram: _____

_____

20. Electron Cloud Model: _____

_____

21. Lewis Dot Diagram: _____

_____

22. Anion: _____

_____

23. Cation: _____

_____

24. Metal: _____

_____

25. Nonmetal: _____

_____

26. Metalloid: _____

_____

27. Alkali Metals: _____

_____

28. Alkaline Earth Metals: _____

_____

29. Transition Metals: _____

_____

30. Halogen: _____

_____

31. Noble Gas: _____

_____

32. Hydrogen: _____

_____

Name _____

Integrated Science

Environmental Chemistry Unit Vocabulary – Chemical Bonding & Polymers

1. Chemical Reaction: _____

_____

2. Chemical Bond: _____

_____

3. Covalent Bond: _____

_____

4. Ionic Bond: _____

_____

5. Chemical Symbol: _____

_____

6. Chemical Formula: _____

_____

7. Subscript: _____

_____

8. Coefficient: _____

_____

9. Reactants: _____

_____

10. Products: _____

_____

11. Yields: _____

_____

12. Law of Conservation of Mass: _____

_____

13. Synthesis Reaction: _____

_____

14. Decomposition Reaction: _____

_____

15. Single Displacement: _____

_____

16. Double Displacement: _____

_____

17. Combustion: _____

_____

18. Activation Energy: _____

_____

19. Exothermic Reaction: _____

_____

20. Endothermic Reaction: _____

_____

21. Precipitate: _____

_____

22. Catalyst: _____

_____

23. Inhibitor: _____

_____

24. Organic Compound: _____

_____

25. Hydrocarbon: _____

_____

26. Alkane: _____

_____

27. Alkene: _____

_____

28. Alcohol: _____

_____

29. Polymer: _____

_____

30. Natural Polymers: _____

_____

31. Synthetic Polymers: _____

_____

32. Biochemical Compounds: _____

_____

Name _____

Integrated Science

Environmental Chemistry Unit Vocabulary – Cycles & Pollution

1. Universal Solvent: _____

_____

2. Polar Molecule: _____

_____

3. Like dissolves like: _____

_____

4. Acid: _____

_____

5. Base: _____

_____

6. Neutral: _____

_____

7. pH: _____

_____

8. Neutralization Reaction: _____

_____

9. Evaporation: _____

_____

10. Transpiration: _____

_____

11. Condensation: _____

_____

12. Precipitation: _____

_____

13. Ground Water: _____

_____

14. Surface Water: _____

_____

15. Pollution: _____

_____

16. Potable: _____

_____

17. Non-potable: _____

_____

18. Artificial Eutrophication: _____

_____

19. Biomagnification: _____

_____

20. Troposphere: _____

_____

21. Stratosphere: _____

_____

22. Ozone: _____

_____

23. Photochemical Smog: _____

_____

24. Free Nitrogen: _____

_____

25. Nitrogen Fixation: _____

_____

26. Denitrification: _____

_____

27. Greenhouse Effect: _____

_____

28. Global Warming: _____

_____

29. 3 R's: _____

_____

30. Biodegradable: _____

_____

31. Brownfield Site: _____

_____