Name: _____

Date: _____

Worksheet: Renewable and Non-renewable Energy

Instructions: Choose the correct answer for each question by circling the appropriate letter.

1. **What is renewable energy?**

    A) Energy that can be replenished naturally

    B) Energy that never runs out

    C) Energy from fossil fuels

    D) Energy that is always available but not reusable

2. **Which of the following is a renewable energy source?**

    A) Coal

    B) Natural Gas

    C) Solar Power

    D) Petroleum

3. **What is a non-renewable energy source?**

    A) Energy that can be replaced quickly

    B) Energy that comes from the sun

    C) Energy that cannot be easily replaced once it is used up

    D) Energy that is always available

4. **Which energy source is considered non-renewable?**

    A) Wind

    B) Hydroelectric power

    C) Oil

    D) Geothermal energy

5. **What is one disadvantage of using fossil fuels?**

    A) They are abundant

    B) They produce greenhouse gases

    C) They are renewable

    D) They do not generate pollution

6. **Which of the following is NOT a renewable energy source?**

    A) Biomass

    B) Natural Gas

    C) Wind Energy

    D) Hydropower

7. **Which form of energy uses moving water to generate electricity?**

    A) Solar Energy

    B) Wind Energy

    C) Hydroelectric Energy

    D) Geothermal Energy

8. **What is geothermal energy?**

    A) Energy from the sun

    B) Energy generated from heat within the Earth

    C) Energy from moving air

    D) Energy stored in fossil fuels

9. **Which country is most likely to use solar energy as a major source of power?**

    A) Norway

    B) Saudi Arabia

    C) Australia

    D) Canada

10. **Why is wind considered a renewable energy source?**

    A) It produces electricity without any fuel

    B) It creates more wind as it turns

    C) It can be stored indefinitely

    D) It will never run out as long as the sun shines

11. **Which energy resource releases the most carbon dioxide when burned?**

    A) Wind

    B) Solar

    C) Coal

    D) Hydropower

12. **Which of the following statements is true about solar energy?**

    A) Solar energy produces no air pollution

    B) Solar panels are effective at night

    C) Solar energy is a non-renewable resource

    D) Solar energy requires burning fossil fuels

13. **Why is it important to reduce the use of non-renewable resources?**

    A) They are harmful to human health

    B) They can lead to resource depletion and environmental damage

    C) They increase the Earth's temperature

    D) They create too much energy

14. **Which of the following is an advantage of renewable energy?**

    A) Renewable energy sources can be expensive to setup

    B) Renewable energy resources are not always reliable

    C) Renewable energy sources are non-polluting

    D) Renewable energy can never be replenished

15. **What is biomass energy?**

    A) Energy from wind

    B) Energy from plants and organic materials

    C) Energy from sunlight

    D) Energy from rocks

16. **Which of these is a benefit of hydropower?**

    A) It is available at all times regardless of weather

    B) It produces greenhouse gases

    C) It can generate a large amount of power using water

    D) It is a non-renewable resource

17. **Which of the following is a characteristic of non-renewable energy sources?**

    A) They can be regenerated quickly

    B) They are clean and non-polluting

    C) They will eventually run out

    D) They are always cheaper than renewable energy sources

18. **How does using renewable energy help combat climate change?**

    A) It doesn't produce carbon emissions

    B) It decreases energy use

    C) It is available in limited quantities

    D) It generates greenhouse gases

19. **Which energy source is most commonly used to power homes with renewable energy in rural areas?**

    A) Wind energy

    B) Coal

    C) Oil

    D) Nuclear energy

20. **Which energy source is the most abundant and widely used form of renewable energy in the world?**

    A) Wind energy

    B) Solar energy

    C) Hydropower

    D) Biomass

1. A
2. C
3. C
4. C
5. B
6. B
7. C
8. B
9. C
10. D
11. C
12. A
13. B
14. C
15. B
16. C
17. C
18. A
19. A
20. C