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| **Arabic**  | **VOCABULARY UNIT 5+6****Meaning in English** | **Word**  |
| حقول الرياح مراوح هوائيه لوح رياح تسخينخليه محرك ضوء الشمسشمسي كهرباء بخار وقود تحلل عضوي ترسبات محدودمتوفرمشتق مد وجزر تعلم ذاتي حول العالم وقود حيوي مائي اولي حاجتنافوائد لاتحصىفوائدنتيجه تعتمد على نتيجه لذلك محدود الاخذ بعين الاعتبار فهم اعمق الاخذ بعين الاعتبار الحفاظ بشكل دائم خالي من الملوثات   | Modern wind mills for providing electricity Flat pieces of material The process of decaying Something that come from living matter Matter that settles to the bottom of liquid Limited in size or supplyAvailable in large quantities so there is more than enough To obtain or receive The movement of the waves Having thought oneself without helping others Through the worldFuel produced from renewable resources 'plant biomass' Water power First or highest in rank Health Numerous different advantages NeedAs a result Will run out Responsibility Partnership In depth comprehension Greater concern for Routinely monitored Uncontaminated     | Wind farmsTurbinesPanelWindy HeatCellGeneratorSun light Solar Electricity Steam Fuel Decomposition Organic SedimentFiniteAbundantDerived TidalSelf taught World wide Bio fuels  Hydro Primary Wellbeing Countless other benefits Are reliant on Consequently Finite Accountability Combined effort Deeper understanding More regard for Consistently maintained Free from pollutants   |

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| Test اختبارHelperمساعدEngineerمهندس Hands-on عمليWorkshopورشه  | Challenge تحديAssistantمساعدInventorمخترعPracticalعملي Laboratoryمختبر |

**UNIT 5**

**SOURCES OF ENERGY:-**

**Text 1**

1.what is renewable energy resources?

2.why do you think that sun energy that a lot of living things depend on?

3.The writer explain that we can use sun energy in many things mention two of them ?

4.Qoute the sentence that indicates to the solar panels use at home to make energy .

5.What is the advantage of solar energy ?

6.How do we make electricity from winds ?

7.How do wind turbines work ?

8.What are disadvantages of wind energy ?

9. The writer explains that biomass is a kind of energy, justifying your answer ?

10.There are many uses of biomass mention two of them .

11.The writer said that biomass is burnt to make electricity , explain how it makes, justifying your answer .

**INTERVIEW WITH SANA NUCLEAR PHYSICIST :-**

**Text 2**

1.Who is Sana ?

2.What does Sana work?

3.When does Sana travel and- how many days does Sana work ?

4.Qoute the sentence that indicates to Sana works at midnight to finish her experiments ?

5.Sana explains that she can not teach students at university as she was ,explain this, justifying your answer .

6.How did Sana become a nuclear physicist ?

7.What is the advice from Sana to the students who like to study as her ?

8.Do you think the work as nuclear physicist is difficult explain it , why ? Why not ?

9.The pronoun I in the text refers to ……………..

10.Do you think that Sana likes her job explain it, justifying your answer .

**QUEEN RANIA**

**Text 3 /WB**

1.What was the subject of conference which queen Rania participated in ?

2.Where was the conference ?

3.Qoute the sentence that indicates to those who had a crises and climate changes will pay the highest price .

4.Queen Rania explained that the problem with non-renewable energy and what the people should do with the renewable energy, mention two ways of them .

5.What are the solutions to protect the universe with renewable energy, mention three of them .

6.her in the last paragraph refers to ………………………..

7. With the views of queen Rania we can conclude some valuable lessons , write these lessons .

**UNIT 6**

**Natural Resources in Jordan /text 1**

1.Who is Jamal Sabah ?

2.There are seven types renewable resources, mention three of them.

3.Why is the solar energy called the primary renewable energy?

4.Why is not the wood considered a renewable resource?

5.What is the fossil fuels ?

6.What is the similar between fossil fuels and renewable resources energy?

7.Write an example about solar water heating?

8.What is solar PV?

9.Qoute the sentence which indicates to USA produce nuclear power ?

10.Why does the expert explain that we have to develop the way nuclear power is produced?

11.The word which means **"water power"** is……………………..

**Water Resources In Jordan/**

**text 2**

1.what are the uses of water, mention four of them ?

2.water brings countless other benefits to society, explain this statement, justifying your answer ?

3.what are health and environment reliant on ?

4.what is the long term challenge for environmentalists in Jordan ?

5.what is the effect on water resources with overcrowding in Jordan ?

6.the pronoun it refers to……………………….

7.Qoute the sentence which indicates to Jordan government have released the notice to raise the awareness about using water .

8.there are many notice that Jordan government released for Jordanian about using water, write three of them .

9.write the name of sectors in Jordan .

10.the pronoun their refers to …………… .

11.how is Jordan government circulated the knowledge about water resources at schools and throughout community .

12.why is aquatic ecosystems important from point 5 ?

13.how is Jordan government ensured that Jordanian have potable water that is free from polluted from point 6, explain this and justifying your answer ?

14.in point 4 what does the word 'regard' imply ?

15.whtat does 'this matter' refer t ?

**The African Wildlife Foundation /**

 **text 3/ WB**

1.What is AWF ?

2.There are many offices throughout Africa, justifying your answer .

3.Why has AWF been training hundreds of Africans ?

4.Who helps AWF in its programs ?

5.the relative pronoun who refers to ………………

6.How does AWF contribute to the preservation of Earth's natural resources ?

7.Qoute the sentence that indicates to AWF earns millions of dollars to preserve the Earth's natural resources .

8. In what way do you think you can help AWF in its mission ?