

EYDS KAMPI – İsmail TURASAN

Match the words with their synonyms.

1. **virtually** (adv)

virtual reality: sanal gerçeklik

VR

nearly

almost

augmented reality: güçlendirilmiş/ artırılmış gerçeklik

AR

B) never

C) consistently **istikrarlı**

D) **occasionally** **sometimes**

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2. decade (n)

A) century AGE : ASIR

B) annual YILLIK

C) millennium 1000 5 millennia

D) ten years

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3. insurmountable (adj)

A) beatable

B) impassable

C) attainable elde edilebilir / goal/ target/objective /aim

D) convincing persuasive / compelling : ikna edici

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4. artificial (adj) suni / yapay

A) imitation taklit / sahte / imitasyon

B) natural

C) genuine real / original

D) discernible to eyes / gözle ayirt edilebilir

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5. **however** (adv)

however+sifat /zarf

1. beklenmedik sonuc/durum
2. zıtlık anlatır

A) if

B) **but**

C) when

D) conversely **in contrast: tam aksine**

şu anki

big

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6. repulsion (n) **itme**

A) attracting **çekmek cezbetmek**

B) liking

C) **pushing**

D) loving

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7. consume (v) tüketmek, spend* expend* sarf etmek / use* / *exploit consumer: tüketici /

A) neglect ihmal etmek

B) produce üretmek

C) deplete bitirmek: use up / exhaust / **run out(of) bitmek

D) accumulate birik(tir)mek, gather , pile up,

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8. grasp (n) kavramak / 2 understand

A) ignorance 1.görmezden gelme 2 cehalet Ignorance is bliss.

B) avoidance refrain from - abstain from / evade tax*

✓ C) comprehension

D) misconception misunderstanding

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9. overcome (v) üstesinden gelmek / address/ cope with /handle /tackle / * deal with*

A) conquer fethetmek, ele geçirmek, seize, control = overwhelm*

B) surrender teslim olmak, yield* /give in

C) yield ürün vermek / sağlamak bring about / lead to

D) forfeit bedel /ceza (olarak vermek) ,kayıp

forgery /fake /false /tricky* : sahte

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10. venture (n) attempt /girisim

A) government

B) **enterprise**

C) idleness vanity: bos beyhudelik = in vain

D) indolence laziness tembellik

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1. It sounds like the stuff of dreams: a virtually limitless source of energy that does not produce greenhouse gases or radioactive waste.
2. That is the promise of **nuclear fusion**, which for decades has been nothing more than a fantasy due to insurmountable technical challenges.
3. **But** things are heating up in what has turned into a race to create what amounts to an artificial sun here on Earth, one that can provide power for our kettles, cars, and light bulbs.
4. Today's nuclear power plants create electricity through nuclear fission, in which atoms are split.
5. Nuclear fusion, **however**, involves combining atomic nuclei to release energy.
6. It is the same reaction that is taking place at the Sun's core.
7. **But** overcoming the natural repulsion between atomic nuclei and maintaining the right conditions for fusion to occur is not straightforward.
8. And doing so in a way that produces more energy than the reaction consumes has been beyond the grasp of the finest minds in physics for decades.
9. **But** perhaps not for much longer.
10. Some major technical challenges have been overcome in the past few years and governments around the world have been pouring money into fusion power research.
11. There are also over 20 private ventures in the UK, US, Europe, China and Australia competing to be the first to make fusion energy production a reality.

1. **It sounds like the stuff of dreams: a virtually limitless source of energy that does not produce greenhouse gases or radioactive waste.**

Kulağa rüya gibi geliyor: sera gazı veya radyoaktif atık üretmeyen neredeyse sınırsız bir enerji kaynağı.

Thi

eydshocam

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2. It That is the promise of nuclear fusion, which for decades has been nothing more than a fantasy due to insurmountable technical challenges.

Bu, on yıllardır aşılmaz teknik zorluklar nedeniyle bir fanteziden başka bir şey olmayan nükleer füzyonun vaadi (dir)

that

dream

eydshocam

3. But things are heating up in what has turned into a race to create what amounts to an artificial sun here on Earth, one that can provide power for our kettles, cars, and light bulbs.

Ancak, tamda burada, Dünya'da su ısıtıcılarımız, arabalarımız ve ampullerimiz için güç sağlayabilecek

yapay bir güneş yaratmak için bir yarışa dönüşen bu şeyde işler iyice kızışıyor.

(e denk bir şey)

generate /produce

via

separate /divide

4. Today's nuclear power plants create electricity through nuclear fission, in which atoms are split.

Günümüzün nükleer santralleri, atomların bölündüğü nükleer füzyon yoluyla elektrik üretir.

5. Nuclear fusion, however, involves combining atomic nuclei to release energy.

Ancak nükleer füzyon, enerjiyi açığa çıkarmak için atom çekirdeklerini bir araya getirmeyi içerir.

6. It is the same reaction that is taking place at the Sun's core.

centre

Bu, Güneş'in çekirdeğinde meydana gelen reaksiyonun aynısıdır.

7. But overcoming the natural repulsion between atomic nuclei and maintaining the right conditions

for sb/sth to do sth

for fusion to occur is not straightforward.

Ancak atom çekirdekleri arasındaki doğal itişimin üstesinden gelmek ve füzyonun gerçekleşmesi için

doğru koşulları sağlamak kolay değildir.

8. And doing so ^{it} in a way that produces more energy than the reaction consumes has been beyond the grasp of the finest minds in physics for decades.

Ve bunu reaksiyonun tükettiğinden daha fazla enerji üretecek bir şekilde yapmak, on yıllardır fizikteki en iyi zihinlerin kavrayışının da ötesindeydi.

9. But perhaps not for much longer.

Ama belki de bu böyle daha fazla sürmeyecek.

it will not be so /as such /that way

10. Some major technical challenges **have been overcome** in the past few years and governments **around the world** **have been pouring** money into fusion power research.

Son birkaç yılda bazı önemli teknik zorlukların **üstesinden gelindi** ve dünyanın dört bir yanındaki devletler füzyon gücü araştırmalarına **para akıtıyor.**

11. **There are also over 20 private ventures in the UK, US, Europe, China and Australia competing to be the first to make fusion energy production a reality.**

Ayrıca Birleşik Krallık, ABD, Avrupa, Çin ve Avustralya'da füzyon enerji üretimini gerçeğe dönüştüren ilk şirket olmak için yarışan 20'den fazla özel girişim var.

READING PASSAGE 01

It sounds like the stuff of dreams: a virtually limitless source of energy that does not produce greenhouse gases or radioactive waste. That is the promise of nuclear fusion, which for decades has been nothing more than a fantasy due to insurmountable technical challenges. But things are heating up in what has turned into a race to create what amounts to an artificial sun here on Earth, one that can provide power for our kettles, cars, and light bulbs. Today's nuclear power plants create electricity through nuclear fission, in which atoms are split. Nuclear fusion, however, involves combining atomic nuclei to release energy. It is the same reaction that is taking place at the Sun's core. But overcoming the natural repulsion between atomic nuclei and maintaining the right conditions for fusion to occur is not straightforward. And doing so in a way that produces more energy than the reaction consumes has been beyond the grasp of the finest minds in physics for decades. But perhaps not for much longer. Some major technical challenges have been overcome in the past few years and governments around the world have been pouring money into fusion power research. There are also over 20 private ventures in the UK, US, Europe, China and Australia competing to be the first to make fusion energy production a reality.

Source: BBC Science Focus, 2021/10, Page 44

ADVERB -ly

1. According to the passage, nuclear fusion ----.

- A) can be an infinite power supply that does not generate undesired by-products while being used side /adverse /bad effects complications
- B) is used in experimental reactors by various countries, which are the top energy consumers NOT GIVEN
- C) loses its toxicity because of the state-of-the-art power plants that can withstand superheated gases newest / latest technology
- D) has an uncanny resemblance to the Sun although the mechanism behind it states the otherwise bears weird /odd
- E) might release boundless energy in theory, but the pressure within the Sun will never be recreated verb



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2. Which of the following is NOT true according to the passage?

- A) A drawback to nuclear fission reactors is the possibility of radiation-releasing nuclear accidents. X
- B) Nuclear fusion likens to the Sun in terms of generating power.
- C) Nuclear fission is the splitting of a large atomic nucleus into smaller nuclei.
- D) Fusion is the process where two light nuclei are combined together to release vast amounts of energy.
- E) It is difficult to produce energy via nuclear fusion and is very difficult to control. 4

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3. It can be inferred from the passage that nuclear fusion ----.

- A) causes raging controversy among experts due to its immense but temporary popularity
- B) harbours a notoriety even if the outcomes after this process yield energy to be used for heating
- C) is impossible because the repulsive electrostatic forces between the positively charged nuclei
- D) has led to drastic changes in the safety protocols of nuclear fission reactors and related fields
- E) has eluded physicists for many years, but there are signs that a bright future could be on the horizon



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4. What could be best title of the passage?

- A) Race in Achieving Nuclear Power
- B) Fusion's Time to Shine
- C) Nuclear Industry Explained Nedir? aciklamasi
- D) Infancy of Fusion Technology
- E) Future at Risk: Nuclear Fusion

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Choose the best option.

1. stuff ---- dreams

A) at

B) onto

C) off

D) of

2. a ---- limitless source of energy

A) readily easily /naturally B) jointly

C) virtually

D) previously

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3. nuclear fusion, which ---- decades has been nothing **more than** a fantasy

- ✓ A) ~~for~~ ^{but} B) down
C) from D) at

correspond /is equal /

4. what amounts ---- an artificial sun here on Earth

- A) apart B) ~~to~~
C) in D) at

5. provide power ---- our kettles, cars, and light bulbs

- ✓ A) for
- B) in
- C) with
- D) out

6. ---- electricity through nuclear fission

- A) develop
- B) import : ithal etmek /buy
- C) shape
in good shape
- ✓ D) create
generate

vi2

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happen
occur
take place

7. ---- place at the Sun's core

✓ A) taking

B) leaving

C) putting

D) posing a risk
risk teskil etmek

8. overcoming the natural repulsion between atomic nuclei ---- maintaining the right conditions

A) so as to

C) as

✓ B) and

D) for

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9. ötesinde
beyond the grasp ---- the finest minds

A) apart

B) on

C) of

D) over

even the most intelligent scholars cannot understand

10. governments ---- the world

A) out of

B) before

C) for

D) around

in

across

throughout

all over

around + the world /Ankara /Turkey

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Answer key

Match the words with their synonyms.

1. A 2. D 3. B 4. A 5. B
6. C 7. C 8. C 9. A 10. B

Reading Passage 01

1. A 2. A 3. E 4. B

Choose the best option.

1. D 2. C 3. A 4. B 5. A
6. D 7. A 8. B 9. C 10. D