

Science & Space

Știință și spațiu în limba engleză

De la experimentele realizate în laborator până la misiunile desfășurate dincolo de atmosfera Pământului, știința ne ajută să înțelegem lumea și universul. Cu ajutorul acestei fișe de lucru, vei învăța cum să numești în limba engleză diferite etape ale unei cercetări, corpurile cerești, momentele unei misiuni spațiale și proprietățile diferitelor materiale.

Pregătit/ă? Pune-ți halatul de laborator, urcă la bordul navei, iar misiunea poate începe!

1

Rescue the Missing Vowels! Salvează vocalele dispărute!

Restore the missing vowels to complete the ten words used in scientific research.

Adaugă vocalele care lipsesc pentru a completa cei zece termeni folosiți în cercetare.

- | | |
|------------------------|------------------------|
| 1. HYP_TH_S_S → _____ | 6. PR_C_D_R_ → _____ |
| 2. V_D_NC → _____ | 7. D_T_ → _____ |
| 3. V_R__BL_ → _____ | 8. _N_LYS_S → _____ |
| 4. SP_C_M_N → _____ | 9. R_S_LT → _____ |
| 5. M__S_R_M_NT → _____ | 10. C_NCL_S__N → _____ |

2

Switch On the Riddle Radar! Pornește radarul de ghicitori!

Identify the space word described by each set of three clues. The first letter is provided.

Identifică termenul despre spațiu descris de fiecare grup de trei indicii. Prima literă este deja oferită.

1. It is made of hot gas. It produces its own light. The Sun is one. **s**___
2. It is a huge group of stars, gas and dust. Gravity holds it together. The Milky Way is one. **g**___
3. It is a cloud of gas and dust. New stars can form inside it. It often appears colorful in photographs. **n**___
4. It is a region with extremely strong gravity. Even light cannot escape from it. **b**___ **h**___
5. It is a ball of ice, dust and rock. It can develop a bright tail near the Sun. **c**___
6. It is a rocky object that travels around the Sun. Most of them are found between Mars and Jupiter. **a**___
7. It is a piece of rock from space that reaches the ground. Scientists can collect and study it. **m**___
8. It is a pattern of stars seen from Earth. People have given many of these patterns names. **c**___
9. It travels around a planet. It may be natural or built by humans. **s**___
10. It travels around the Sun and is almost round, but it has not cleared other objects from its path. Pluto is one. **d**___ **p**___

3

Put the Mission Back on Track! Pune misiunea pe calea cea bună!

The stages of a space mission are out of order. Number them from 1 to 10, from the first event to the last.

Etapele unei misiuni spațiale sunt amestecate.

Numerotează-le de la 1 la 10, de la primul eveniment până la ultimul.

- ___ a. The capsule lands safely in the ocean.
- ___ b. The crew docks with the space station.
- ___ c. The final countdown begins.
- ___ d. The capsule starts its re-entry through the atmosphere.
- ___ e. The rocket lifts off from the launch pad.
- ___ f. The empty booster separates from the rocket.
- ___ g. The spacecraft reaches orbit.
- ___ h. Two crew members perform a spacewalk.
- ___ i. The capsule undocks from the station.
- ___ j. The solar panels unfold and begin producing power.



Turn the Property Dial Reglează cadranul proprietăților

Each object is placed between two opposite or contrasting properties. Circle the property that describes it correctly.

Fiecare obiect este așezat între două proprietăți opuse sau diferite. Încercuiește proprietatea care îl descrie corect.

1. A clean window allows light to pass through it.
TRANSPARENT ← **window** → OPAQUE
2. A raincoat does not allow rain to pass through its surface.
WATERPROOF ← **raincoat** → PERMEABLE
3. A thin rubber tube can bend easily without breaking.
FLEXIBLE ← **rubber tube** → RIGID
4. A glass test tube can break easily when it is dropped.
FRAGILE ← **test tube** → DURABLE
5. Sandpaper has an uneven surface that does not feel soft to the touch.
ROUGH ← **sandpaper** → SMOOTH
6. Copper wire allows electricity to travel through it.
CONDUCTIVE ← **copper wire** → INSULATING
7. An iron nail is attracted to a magnet.
MAGNETIC ← **iron nail** → NON-MAGNETIC
8. A kitchen sponge takes in liquid easily.
ABSORBENT ← **sponge** → WATER-REPELLENT

9. Sugar disappears into water and becomes part of the mixture.

SOLUBLE ← **sugar** → INSOLUBLE

10. A cork stays on the surface when it is placed in water.

BUOYANT ← **cork** → NON-BUOYANT

5 The No-Saying-It Science Game Jocul științific al cuvintelor interzise

Explain each bold term in one sentence without using any of the three forbidden words.

Explică fiecare termen scris cu bold într-o singură propoziție, fără să folosești niciunul dintre cele trei cuvinte interzise.

1. **gravity**

Forbidden words: pull • fall • Earth

2. **vacuum**

Forbidden words: empty • air • space

3. **radiation**

Forbidden words: energy • waves • dangerous

4. **molecule**

Forbidden words: atoms • tiny • substance

5. **fossil**

Forbidden words: old • bones • rock

6. organism

Forbidden words: living • plant • animal

7. microscope

Forbidden words: look • small • lens

8. laboratory

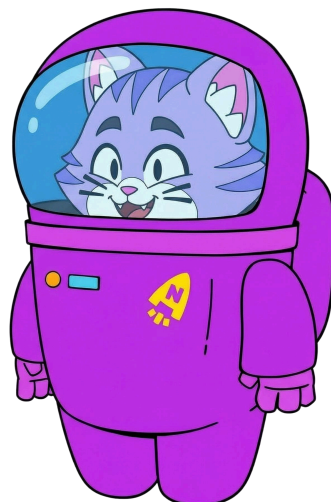
Forbidden words: room • science • experiments

9. discovery

Forbidden words: find • new • learn

10. temperature

Forbidden words: hot • cold • degrees



Mission Complete! | Misiune îndeplinită!

Ai învățat:

- cum să recunoști termeni folosiți în cercetare;
- cum să descrii obiecte și fenomene din spațiu;
- cum să urmărești etapele unei misiuni spațiale;
- cum să vorbești despre proprietățile diferitelor materiale.

Poți reveni la această fișă ori de câte ori vrei să recapitulezi vocabularul despre știință și spațiu sau să-ți pregătești următoarea misiune în limba engleză!



Answers

Răspunsuri

1 Rescue the Missing Vowels! Salvează vocalele dispărute!

1. HYP_TH_S_S → hypothesis
2. _V_D_NC_ → evidence
3. V_R__BL_ → variable
4. SP_C_M_N → specimen
5. M__S_R_M_NT → measurement
6. PR_C_D_R_ → procedure
7. D_T_ → data
8. _N_LYS_S → analysis
9. R_S_LT → result
10. C_NCL_S__N → conclusion

2 Switch On the Riddle Radar! Pornește radarul de ghicitori!

1. star - It is made of hot gas and produces its own light.
2. galaxy - It is a huge group of stars, gas and dust held together by gravity.
3. nebula - It is a cloud of gas and dust in which new stars can form.

4. black hole - It is a region with such strong gravity that even light cannot escape.
5. comet - It is a ball of ice, dust and rock that can develop a bright tail.
6. asteroid - It is a rocky object that travels around the Sun.
7. meteorite - It is a piece of rock from space that reaches the ground.
8. constellation - It is a pattern of stars seen from Earth.
9. satellite - It travels around a planet and may be natural or built by humans.
10. dwarf planet - It travels around the Sun and is almost round but has not cleared other objects from its path.

3

Put the Mission Back on Track! Pune misiunea pe calea cea bună!

1. c. The final **countdown** begins.
2. e. The rocket **lifts off** from the launch pad.
3. f. The empty **booster separates** from the rocket.
4. g. The spacecraft reaches **orbit**.
5. j. The **solar panels unfold** and begin producing power.
6. b. The crew **docks** with the space station.
7. h. Two crew members perform a **spacewalk**.
8. i. The capsule **undocks** from the station.
9. d. The capsule starts its **re-entry** through the atmosphere.
10. a. The capsule **lands** safely in the ocean.

Turn the Property Dial Reglează cadranul proprietăților

1. A clean window is transparent because it allows light to pass through it.
2. A raincoat is waterproof because it does not allow rain to pass through its surface.
3. A thin rubber tube is flexible because it can bend easily without breaking.
4. A glass test tube is fragile because it can break easily when dropped.
5. Sandpaper is rough because it has an uneven surface.
6. Copper wire is conductive because it allows electricity to travel through it.
7. An iron nail is magnetic because it is attracted to a magnet.
8. A kitchen sponge is absorbent because it takes in liquid easily.
9. Sugar is soluble because it dissolves in water.
10. A cork is buoyant because it stays on the surface of the water.



5

The No-Saying-It Science Game Jocul științific al cuvintelor interzise

Răspunsuri posibile

1. **Gravity** is a force that attracts objects towards one another.
2. A **vacuum** is a region containing almost no matter.
3. **Radiation** consists of particles or rays that travel away from a source.
4. A **molecule** is a group of particles chemically joined together.
5. A **fossil** is the preserved remains or trace of an organism from the distant past.
6. An **organism** is an individual form of life, such as a mushroom or bacterium.
7. A **microscope** is an instrument that makes objects appear much larger.
8. A **laboratory** is a place equipped for research, tests and careful investigations.
9. A **discovery** is something revealed or recognized for the first time.
10. **Temperature** is a measurement that shows how warm or cool something is.