



Marvels of Microscopic World: Stunning Photo Celebration

Description

A photo of tumor cells in a mouse's brain won the Nikon Small World photography competition. This image shows delicate strands of protein called actin surrounding cells with tiny tubes and a nucleus. Photographer Bruno Cisterna Irrazabal from Augusta University took the photo to study neurodegenerative diseases like Alzheimer's.

Another entry features maroon fruiting bodies of slime molds, captured by Henri Koskinen at the University of Helsinki. A dainty net surrounds a clump of spores in this image.

Gerhard Vlcek photographed a cross-section of European beachgrass from Maria Enzersdorf, showing turquoise tubes that carry water and food.

Miniature scales from a Ulysses butterfly's wings, taken by Daniel Knop in Germany, reveal the tiny details of these scales, each as small as 30 micrometers.

A green crab spider's eight eyes were captured by Paweł Bączowicz in Poland, showcasing the details of this tiny creature.

Marek Miętyła photographed translucent water fleas in Poland at different stages of reproduction, one filled with embryos and the other with eggs.

David Maitland in the UK captured an image of a common bracken stem, showing vascular bundles forming an expressive smile.

Vocabulary List:

1. **Tumor** /'tju:.mə/ (noun): An abnormal mass of tissue that may be benign or malignant.
2. **Neurodegenerative** /,njʊə.rəʊ.dɪ'dʒɛn.ər.ə.tɪv/ (adjective): Relating to the degeneration of nervous tissue.
3. **Translucent** /træn'slu:.sənt/ (adjective): Allowing light to pass through but not transparent.
4. **Vascular** /'væs.kjʊ.lər/ (adjective): Relating to the vessels that carry fluids in the body.
5. **Fruiting** /'fru:.tɪŋ/ (adjective): Relating to the stage in which a plant produces fruits or spores.
6. **Microstructure** /'maɪ.krəʊ.strʌk.tʃər/ (noun): The small-scale structure of a material as observed under a microscope.

Vocabulary quizzes



Multiple Choice (Select the Correct answer for each question.)

1. What is defined as false or inaccurate information?
Option: Unrest
Option: Influence
Option: Misinformation
Option: Intoxicating
2. What refers to the act of conducting criminal proceedings against someone?
Option: Advantages
Option: Fined
Option: Prosecutions
Option: Tumor
3. Which term relates to progressive damage or degradation of the nervous system?
Option: Translucent
Option: Vascular
Option: Fermented
Option: Neurodegenerative
4. What does the term "wrongdoing" refer to?
Option: Industry
Option: Competition
Option: Wrongdoing
Option: Advantage
5. What is the ability to withstand or endure something?
Option: Survive
Option: Tolerance
Option: Intoxicating
Option: Accusing
6. Which term means to express disapproval of someone or something?
Option: Advantages
Option: Criticize
Option: Harmful
Option: Taxation
7. What term relates to blood vessels or a system of vessels?
Option: Fined
Option: Legal
Option: Vascular



Option: Microstructure

8. What term refers to the exclusive possession or control of the supply of a product or service?

Option: Worries

Option: Competition

Option: Monopoly

Option: Operating

9. What term describes a process involving the chemical breakdown of a substance by bacteria yeasts or other microorganisms?

Option: Ethanol

Option: Survive

Option: Fermented

Option: Advantages

10. What refers to something typically money awarded to someone in recognition of loss suffering or injury?

Option: Competition

Option: Compensation

Option: Advantage

Option: Taxation

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. _____ refers to a state of dissatisfaction disturbance and agitation in a community.

12. If an action complies with the law it is considered _____.

13. Having superior resources or position puts one at an _____ over competitors.

14. The system of imposing taxes is known as _____.

15. When someone blames or charges another person with a fault or crime they are

_____ that person.

16. _____ effects can cause damage or negative consequences to individuals or society.

17. A monetary penalty imposed for breaking the law is known as a _____.

18. An abnormal mass of tissue can be classified as a _____.



19. A type of alcohol found in alcoholic beverages is _____ .

20. The arrangement of small units such as cells or grains within a material defines its

_____ .

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. Rivalry between individuals or groups for a common objective or prize defines the term "competition."
22. The alcoholic beverage was so strong and that it immediately affected anyone who consumed it.
23. Power to affect others or events; the ability to have an impact is known as .
24. The explorers had to battle harsh conditions in order to in the wilderness.
25. Having multiple resources and capabilities is one of the of being well-prepared.
26. Persistent concerns or anxieties about potential problems are known as .
27. The company is currently in a highly competitive market striving to increase its market share.
28. The sector of the economy concerned with the production of goods and services is referred to as the .
29. The frosted glass was allowing some light to pass through but obscuring the view.
30. The mushroom's body emerged from the ground signaling its reproductive phase.

Answer

Multiple Choice: 1. Misinformation 2. Prosecutions 3. Neurodegenerative 4. Wrongdoing 5. Tolerance 6. Criticize 7. Vascular 8. Monopoly 9. Fermented 10. Compensation

Gap-Fill: 11. Unrest 12. Legal 13. Advantage 14. Taxation 15. Accusing 16. Harmful 17. Fine 18. Tumor 19. Ethanol 20. Microstructure

Matching sentence: 1. competition 2. intoxicating 3. influence 4. survive 5. advantages 6. worries 7. operating 8. industry 9. translucent 10. fruiting

CATEGORY

- 1. Sci/Tech - LEVEL1

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