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# The Hidden Anti-Cancer Power of Aspirin

## Description

Aspirin is a common medicine known for relieving pain and reducing inflammation. Recent studies suggest it can also help prevent and treat cancer. Scientists are discovering the power of a stronger form of aspirin called 2,6-dihydroxybenzoic acid in fighting cancer. This compound can make cancer cells self-destruct by lowering their acidity levels. Research has shown promising results in shrinking tumors and improving overall health.

Combining aspirin with vitamin C has shown to be effective in treating solid tumors without harming healthy cells. This combination enhances the anticancer properties of both substances. Aspirin also has potential in preventing colorectal cancer, reducing the risk of developing and dying from this type of cancer. Studies have shown that long-term use of aspirin can also reduce the risk of death from other types of cancer. In conclusion, aspirin may be a valuable tool in fighting cancer, and its benefits increase with long-term use.

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## Vocabulary List:

1. **Inflammation** /ɪnˌflæməˈteɪʃən/ (noun): A localized physical condition characterized by redness swelling heat and pain often as a reaction to injury or infection.
2. **Compound** /ˈkɒmpaʊnd/ (noun): A substance formed from two or more elements chemically united in fixed proportions.
3. **Acidity** /əˈsɪdəti/ (noun): The level of acid in a substance often affecting its reactivity and properties.
4. **Anticancer** /ˌæn.tɪˈkæ.n.sər/ (adjective): Having the ability to act against or prevent the development of cancer.
5. **Colorectal** /ˌkɒl.əˈrek.təl/ (adjective): Relating to the colon and rectum particularly in the context of related diseases or conditions.
6. **Valuable** /ˈvæljuəbl/ (adjective): Of great worth importance or usefulness.

## Comprehension Questions

### Multiple Choice

1. What is aspirin commonly known for?  
Option: Relieving pain and reducing inflammation  
Option: Increasing blood pressure



- Option: Causing stomach ulcers
- Option: Increasing cancer risk

2. What is the stronger form of aspirin mentioned that helps fight cancer?

- Option: 2,6-dihydroxybenzoic acid
- Option: Salicylic acid
- Option: Acetic acid
- Option: Formic acid

3. How does 2,6-dihydroxybenzoic acid help in fighting cancer?

- Option: By increasing the acidity levels in cancer cells
- Option: By lowering the acidity levels in cancer cells
- Option: By increasing the production of cancer cells
- Option: By reducing the blood flow to tumors

4. What combination has shown to be effective in treating solid tumors?

- Option: Aspirin and Vitamin C
- Option: Aspirin and Vitamin D
- Option: Aspirin and calcium
- Option: Aspirin and zinc

5. Aspirin has potential in preventing which type of cancer?

- Option: Colorectal cancer
- Option: Lung cancer
- Option: Breast cancer
- Option: Prostate cancer

6. What is a benefit of long-term use of aspirin according to studies?

- Option: Increases the risk of cancer
- Option: Reduces the risk of death from various types of cancer
- Option: Increases inflammation in the body
- Option: Causes significant side effects

## Answer

**Multiple Choice:** 1. Relieving pain and reducing inflammation 2. 2,6-dihydroxybenzoic acid 3. By lowering the acidity levels in cancer cells 4. Aspirin and Vitamin C 5. Colorectal cancer 6. Reduces the risk of death from various types of cancer



## Vocabulary quizzes

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

1. What is the body's response to injury or infection?  
Option: Release of histamines  
Option: Inflammation  
Option: Muscle growth  
Option: Increased energy levels
2. Which term refers to the chemical processes that occur within a living organism in order to maintain life?  
Option: Digestion  
Option: Photosynthesis  
Option: Metabolism  
Option: Respiration
3. Which food item is known for its spicy taste due to the presence of capsaicin?  
Option: Tomatoes  
Option: Cucumber  
Option: Chillies  
Option: Carrots
4. What systematic investigation aims to discover new facts and information?  
Option: Hypothesis  
Option: Research  
Option: Opinion  
Option: Conspiracy
5. Which condition is characterized by a lack of healthy red blood cells?  
Option: Hypertension  
Option: Anemia  
Option: Hyperthyroidism  
Option: Arthritis
6. What practice involves abstaining from food for a certain period of time?  
Option: Gorging  
Option: Feasting  
Option: Fasting  
Option: Snacking
7. What is the treatment intended to relieve or heal a disorder?



- Option: Exercise
- Option: Therapy
- Option: Prevention
- Option: Surgery

8. Which term describes a medical condition characterized by excessive body fat?

- Option: Anemia
- Option: Obesity
- Option: Malnutrition
- Option: Weight loss

9. What is the active component in chilies responsible for their spiciness?

- Option: Capsaicin
- Option: Caffeine
- Option: Vitamin C
- Option: Iron

10. Which term refers to the collection of microorganisms living in a particular environment?

- Option: Ecosystem
- Option: Microbiome
- Option: Isotope
- Option: Hybrid

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

11. Compounds with \_\_\_\_\_ properties are being studied for their potential in cancer treatment.

12. Maintaining \_\_\_\_\_ to a healthy lifestyle can lead to significant improvements in overall health.

13. A \_\_\_\_\_ is a substance formed when two or more chemical elements are chemically bonded together.

14. Regular screening for \_\_\_\_\_ cancer is important for early detection and treatment.

15. Nutrient-dense foods are \_\_\_\_\_ for maintaining good health and preventing



deficiencies.

16. A \_\_\_\_\_ is a unit of energy that is used to quantify the amount of energy in food and beverages.

17. Physical activity plays a key role in boosting \_\_\_\_\_ rate.

18. Adopting \_\_\_\_\_ practices is crucial for environmental conservation.

19. Addressing nutritional \_\_\_\_\_ is important for overall health and well-being.

20. Some synthetic chemicals can \_\_\_\_\_ the effects of natural hormones in the body.

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

21. Foods high in citric acid may contribute to the of the stomach.
22. The endocannabinoid plays a role in processes such as memory motivation and mood.
23. is a compound found in cannabis plants that is being researched for its potential health benefits.
24. Medications may have that can range from mild to severe adverse reactions.
25. One common symptom of motion sickness is often accompanied by dizziness.
26. Chronic diseases such as arthritis are often associated with responses in the body.
27. The process of is essential to stop bleeding and promote wound healing.
28. Regular exercise has a range of effects on both physical and mental health.
29. Adopting a healthy that includes balanced nutrition and exercise can improve overall well-being.
30. is a commonly used medication to relieve pain reduce inflammation and prevent blood clots.

**Answer**

**Multiple Choice:** 1. Inflammation 2. Metabolism 3. Chilies 4. Research 5. Anemia 6. Fasting 7. Therapy 8. Obesity 9. Capsaicin 10. Microbiome

**Gap-Fill:** 11. Anticancer 12. adherence 13. compound 14. colorectal 15. valuable 16. calorie 17. metabolic 18. sustainable



19. deficits 20. mimic

**Matching sentence:** 1. acidity 2. anandamide 3. Cannabidiol 4. side effects 5. nausea 6. inflammatory 7. clotting 8. beneficial 9. lifestyle 10. Aspirin

## CATEGORY

1. Health - LEVEL1

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