# WHATS ALIVE STORY

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**What's Alive?**

**Introduction:**

The question of what constitutes life has intrigued philosophers and scientists for centuries. While there is no universally accepted definition, we can identify certain characteristics that are common to all living things. These characteristics include:

**1. Organization:**

Living things are highly organized structures, consisting of cells or tissues. They have a specific shape and form, and their components are arranged in a functional manner.

**2. Metabolism:**

Living things take in nutrients from their environment and use them to produce energy. They also release waste products as a byproduct of this process.

**3. Response to Stimuli:**

Living things can respond to changes in their environment. For example, they may move away from a heat source or towards a light source.

**4. Reproduction:**

Living things reproduce themselves, creating new individuals that are similar to their parents. This ensures the survival of the species.

**5. Growth and Development:**

Living things grow and develop over time, becoming more complex and functional organisms. They may change their shape, size, or color as they mature.

**Additional Considerations:**

Some organisms, such as viruses, do not meet all of the above criteria. Viruses are infectious agents that consist of genetic material enclosed in a protein coat. They can only reproduce within living cells, so they are not considered truly alive. However, they possess some characteristics of life, such as organization and metabolism.

Ultimately, the definition of what is alive is a philosophical question that may never be fully resolved. However, the characteristics listed above provide a framework for understanding the essential properties of living organisms.

**Soal Garis dan Sudut**

**1. Soal:** Tentukan panjang garis AB jika diketahui koordinat titik A(3, 4) dan titik B(-1, 2).

**Jawaban:** Panjang garis AB = ?[(x2 - x1)² + (y2 - y1)²] = ?[(-1 - 3)² + (2 - 4)²] = ?[(-4)² + (-2)²] = ?20 = 2?5

**2. Soal:** Tentukan besar sudut BAC jika diketahui segitiga ABC siku-siku di titik C dan panjang AB = 10 cm serta AC = 6 cm.

**Jawaban:** sin BAC = AC/AB = 6/10 = 3/5 BAC = sin?¹(3/5) ? 37°

**3. Soal:** Tentukan jenis sudut jika besarnya 120°.

**Jawaban:** Sudut tumpul

**4. Soal:** Bagilah sudut 360° menjadi 6 sudut yang sama besar.

**Jawaban:** Sudut sama besar = 360° / 6 = 60°

**5. Soal:** Hitunglah besar sudut yang terbentuk dari dua garis yang saling tegak lurus.

**Jawaban:** 90°

**SB 14-18: College Funding and Further Education**

**Q: What is SB 14-18?** A: SB 14-18 is a California law enacted in 2014 that provides financial assistance for college students who are ineligible for federal financial aid due to their immigration status.

**Q: Who is eligible for SB 14-18 funding?** A: To be eligible, students must meet the following criteria:

- Be a California resident
- Have graduated from a California high school or obtained a high school equivalency diploma
- Enroll in a California community college, state university, or private college that participates in the program
- Demonstrate financial need

**Q: How much funding is available?** A: The amount of funding available varies based on factors such as the student's financial need, the institution they attend, and the availability of funds. Grants may cover tuition, fees, and living expenses.

**Q: How do I apply for SB 14-18 funding?** A: Eligible students should apply for SB 14-18 funding through the California Dream Act Application, available at https://dreamcenter.cccco.edu/scholarships-grants/california-dream-act.

**Q: What is the impact of SB 14-18?** A: SB 14-18 has had a significant impact on college access and success for undocumented students in California. The law has provided financial assistance to thousands of students, enabling them to pursue higher education and contribute to the state's skilled workforce.

**Wilderness Medical Associates Field: Questions and Answers**

**What is Wilderness Medical Associates?**

Wilderness Medical Associates (WMA) is a non-profit organization dedicated to providing comprehensive medical care in remote and challenging environments. WMA's team of highly trained medical professionals specialize in wilderness medicine, environmental health, and disaster response.

**What services does WMA offer?**

WMA offers a wide range of services, including:

- Medical screenings and consultations for wilderness expeditions
- Training in wilderness first aid and evacuation techniques
- Emergency medical response in remote areas
- Disaster relief and evacuation support
- Medical research and development in wilderness medicine

**How can I join WMA's field team?**

To join WMA's field team, you must meet the following requirements:

- Be a licensed and experienced healthcare professional (physician, nurse, or paramedic)
- Have extensive training and experience in wilderness medicine
- Pass a rigorous physical and psychological assessment
- Be committed to working in challenging and remote environments

**What are the responsibilities of a WMA field team member?**

WMA field team members provide essential medical care in remote wilderness areas. Their responsibilities include:

- Assessing and treating patients with injuries, illnesses, and environmental emergencies
- Conducting medical evacuations and rescues
- Providing health education and prevention services
- Conducting research and developing new wilderness medicine protocols

**Why is wilderness medicine important?**

Wilderness medicine is crucial because it addresses the unique medical challenges and risks associated with outdoor activities. Wilderness medical professionals are trained to provide specialized care in environments where traditional medical

resources may be limited or unavailable. Their expertise helps ensure the safety and well-being of those who explore and adventure in remote areas.

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