



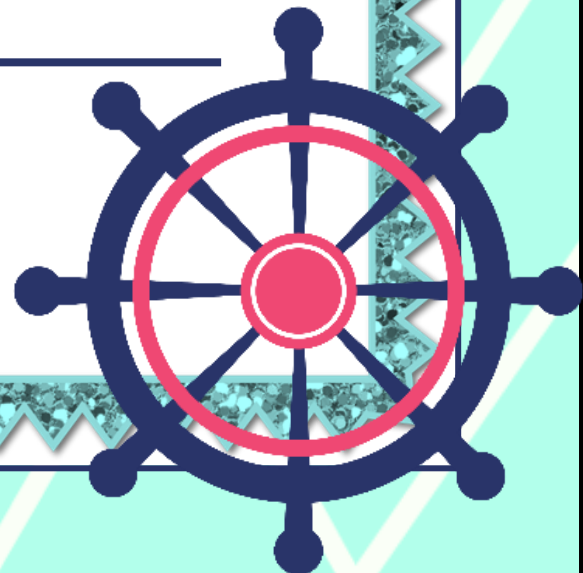
**ACADEMIR CHARTER SCHOOLS**



*Summer*  
**PACKET**

**Incoming 9<sup>th</sup> Grade**

**Name:** \_\_\_\_\_



# ACADEMIR CHARTER SCHOOLS



Dear Parents and Guardians,

In preparation for the upcoming 2026 - 2027 school year and to support the continued academic growth of our students, the curriculum team at AcadeMir Charter Schools has developed grade-level-specific summer learning packets. These assignments are designed to help students retain the knowledge and skills acquired during the previous school year and to ensure a strong start in the fall.

All students are required to complete the summer learning packet, which includes activities in reading, handwriting, mathematics, social studies, and science. In addition, students should read the grade-specific book that has been chosen for them and be prepared to discuss their literary journey with the rest of the class when school begins. Completed packets are due on the first day of school. We appreciate your support in helping your child stay engaged and prepared over the summer break.

Warm regards,  
AcadeMir Charter Schools Administration

## **Estimados padres y tutores:**

En preparación para el próximo año escolar 2026 - 2027 y con el fin de apoyar el crecimiento académico continuo de nuestros estudiantes, el equipo curricular de AcadeMir Charter Schools ha desarrollado paquetes de aprendizaje de verano específicos por nivel de grado. Estas asignaciones están diseñadas para ayudar a los estudiantes a retener los conocimientos y habilidades adquiridos durante el año escolar anterior y asegurar un buen comienzo en el otoño.

Todos los estudiantes deben completar el paquete de aprendizaje de verano, el cual incluye actividades de lectura, escritura a mano, matemáticas, estudios sociales y ciencias. Además, los estudiantes deben leer el libro asignado correspondiente a su grado y estar preparados para compartir su experiencia literaria con el resto de la clase al comenzar el año escolar.

Los paquetes completados deben entregarse el primer día de clases. Agradecemos su apoyo para ayudar a que su hijo(a) se mantenga comprometido(a) y preparado(a) durante las vacaciones de verano.

Cordialmente,  
Administración de AcadeMir Charter Schools



# Ninth Grade



**READING**



# ACADEMIR CHARTER SCHOOLS



## 2026 Summer Reading List

Grade	Summer Reading	Author	Book Synopsis	Front Cover
Kindergarten	Swimmy	Leo Lionni	Deep in the sea there lives a happy school of little fish. Their watery world is full of wonders, but there is also danger, and the little fish are afraid to come out of hiding . . . until Swimmy comes along. Swimmy shows his friends how with ingenuity and teamwork they can overcome any danger.	
First Grade	From Seed to Pumpkin	Wendy Pfeffer	Pumpkins can be baked in a pie, carved into jack-o'-lanterns, and roasted for a healthy snack. But how does a tiny seed turn into a big pumpkin? With clear text and detailed, colorful illustrations, this book explains what a pumpkin seed needs to help it grow!	
Second Grade	Mango, Abuela, and Me	Meg Medina	Mia's abuela has left her sunny house with parrots and palm trees to live with Mia and her parents in the city. The night she arrives, Mia tries to share her favorite book with Abuela before they go to sleep and discovers that Abuela can't read the words inside. Then Mia sees a parrot in the pet-shop window and has the perfect idea for how to help them all communicate a little better.	
Third Grade	The Boxcar Children	Gertrude Chandler Warner	The Aldens begin their adventure by making a home in a boxcar. Their goal is to stay together, and in the process, they find a grandfather.	
Fourth Grade	The Lion, the Witch and the Wardrobe	C.S. Lewis	Narnia... the land beyond the wardrobe door, a secret place frozen in eternal winter, a magical country waiting to be set free. Lucy is the first to find the secret of the wardrobe in the professor's mysterious old house. At first her brothers and sister don't believe her when she tells of her visit to the land of Narnia. wardrobe themselves.	

# ACADEMIR CHARTER SCHOOLS



## 2025 Summer Reading List

Grade	Summer Reading	Author	Book Synopsis	Front Cover
Fifth Grade	The City of Ember	Jeanne DuPrau	Many hundreds of years ago, the city of Ember was created by the Builders to contain everything needed for human survival. It worked...but now the storerooms are almost out of food, crops are blighted, corruption is spreading through the city and worst of all the lights are failing. Soon Ember could be engulfed by darkness...	
Sixth Grade	Tales of Greek Heroes	Roger Lancelyn Green	Tales of the Greek Heroes tells the mysterious and exciting legends of the gods and heroes in Ancient Greece. Greek mythology has inspired stories for thousands of years, with tales of lost love and magic. Join our heroes in their journeys of resilience and revenge, guilt and love, and trials and betrayal.	
Seventh Grade	The Red Umbrella	Christina Diaz Gonzalez	The Red Umbrella is a moving tale of a 14-year-old girl's journey from Cuba to America as part of Operation Pedro Pan. -an organized exodus of more than 14,000 unaccompanied children, whose parents sent them away to escape their country's dictatorship.	
Eighth Grade	The Swiss Family Robinson	Johann David Wyss	The Robinsons leave their home in Switzerland planning to settle half a world away. But things do not turn out as they had expected. The sole survivors of a terrible shipwreck, they wash ashore to learn that the danger has only begun. Their new world will test their courage, cleverness, endurance, and faith as they struggle to survive and create a civilization of their own in the wilderness.	

Ninth Grade	Old Greek Stories	James Baldwin	<p><i>Old Greek Stories</i> by James Baldwin is a collection of classic Greek myths retold in a clear and engaging style for young readers. The book highlights legendary heroes, gods, and moral lessons from ancient Greece, including tales of Prometheus, Pandora, Hercules, and Theseus.</p>	
Tenth Grade	Tale of Two Cities	Charles Dickens	<p>"A Tale of Two Cities," set during the French Revolution, centers on Dr. Manette's 18-year imprisonment and his subsequent reunion with his daughter Lucie in London. Lucie marries Charles Darnay, a French aristocrat, while Dr. Manette's life is restored through her love. The story unfolds with Darnay facing accusations of treason, and Sydney Carton, a dissolute lawyer who loves Lucie, makes the ultimate sacrifice to save Darnay.</p>	
Eleventh Grade	Night	Elie Wiesel	<p>What happens when your world vanishes in a single day? At sixteen, Elie Wiesel was stripped of his home and his identity, thrust into a fight for survival in the heart of the Holocaust. <i>Night</i> is a raw, fast-paced account of a teenager navigating the impossible. From the selection lines of Auschwitz to a brutal march through the snow, Eliezer faces a world where the rules of humanity no longer exist. It's a story of survival, the bond between a father and son, and the struggle to keep faith in the face of absolute darkness.</p>	

# ACADEMIR CHARTER SCHOOLS



## Ninth Grade



### OLD GREEK STORIES JAMES BALDWIN



Old Greek Stories by James Baldwin is a classic retelling of ancient Greek myths, crafted in a way that brings the timeless tales of gods, heroes, and monsters to life. The book includes well-known legends such as the stories of Prometheus, Pandora, Perseus, Hercules, and others, exploring themes like fate, bravery, wisdom, and the consequences of human actions.

Written in a clear and engaging style, Baldwin's collection offers insight into the beliefs and values of ancient Greek civilization. Each story not only entertains but also encourages readers to reflect on moral lessons and human nature. This book is an excellent introduction to mythology for high school students interested in literature, history, or philosophy.

# ACADEMIR CHARTER SCHOOLS



**WRITE A COMPLETE RESPONSE FOR THE FOLLOWING QUESTIONS**

**Students Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Title of book and authors name:**

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**Describe the setting of the book:**

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**State the main character's name and describe the character:**

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**What does that character value?**

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**What is that character's personality like?**

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# ACADEMIR CHARTER SCHOOLS



**On a scale from 1-10 (10 being the best book you've ever read), how would you rate this book? Explain your reasoning.**

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**List the sequence of events in the story. Circle the conflict, highlight in yellow the main idea, underline the resolution, and highlight in orange the main characters.**

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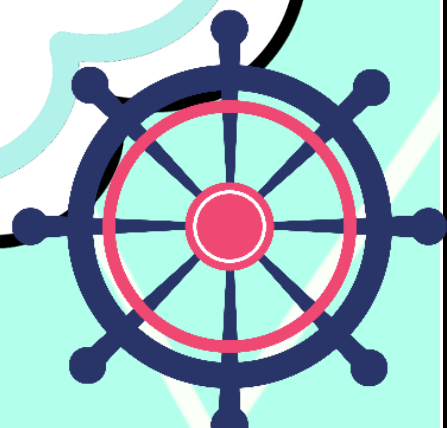
**Summarize the story on a separate sheet of paper.**



# Ninth Grade



**MATHEMATICS**



Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Algebra 1

1. Evaluate the expression.

$$-7.8 \div (-6.1 + -5.9) \div -0.13$$

*Write your answer as an integer or a decimal. Do not round.*

- 
2. Tex is the proud owner of Tex's Taco Truck. On Friday morning, Tex withdrew \$100 for supplies from his account at the local bank. Then in the evening, he made a \$250 deposit with money earned during lunchtime.

What was the total change in Tex's bank account relative to where it started?

\$

- 
3. Multiply. Write your answer as a fraction or as a whole or mixed number.

$$\frac{5}{8} \times 3\frac{1}{3} = \text{  }$$

- 
4. Write 5.375 as a mixed number.

5. Put these numbers in order from **greatest** to **least**.

$$8\frac{15}{24}$$

$$\frac{28}{32}$$

$$8\frac{19}{40}$$

$$8$$

$$-8.225$$

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6. What is 2 to the power of 8?

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7. What is the least common multiple of 18, 16, and 9?

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8. Solve for  $f$ .

$$f + 7 < -9$$

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9. A florist used several different types of flowers to make a bouquet.

lilies	8
roses	1
daffodils	13

What is the probability that a randomly selected flower will be a lily?

Write your answer as a fraction or whole number.

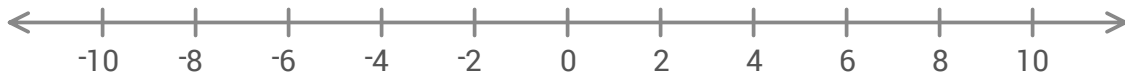
$P(\text{lily}) =$

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10. Solve the inequality and graph the solution.

$$t + 13 \geq 7$$

To draw a ray, plot an endpoint and select an arrow. Select an endpoint to change it from closed to open. Select the middle of the ray to delete it.



11. Evaluate the expression.

$$4\frac{2}{5} + \left(1\frac{2}{5} + -2\right) \div 4$$

Write your answer as a fraction or as a whole or mixed number.

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12. Subtract.

$$(9h + 3) - (-6h - 9)$$

13. What is the greatest common factor of 32, 46, and 21?

14. Which expression is equivalent to  $-2(2s - 9) + 7$ ?

15. Subtract:

$$-784 - -132 = \text{  }$$

16. Solve for  $d$ .

$$-d + 15 = 7$$

$$d = \boxed{\phantom{000}}$$

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17. Solve for  $j$ .

$$4(j - 13) = 8$$

$$j = \boxed{\phantom{000}}$$

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18. Evaluate the expression.

$$(0.53 + 0.47)^3 \times 4.8$$

*Write your answer as an integer or a decimal. Do not round.*

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19. Simplify. Express your answer as a single term using exponents.

$$215^2 \cdot 215^8$$

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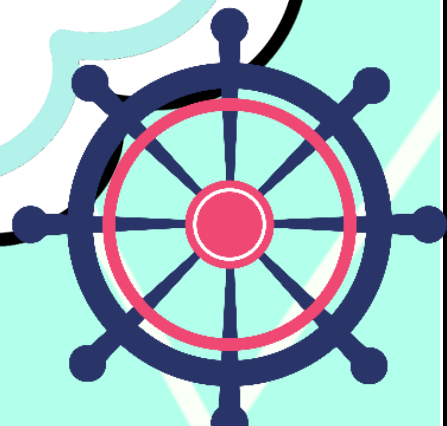
20. Factor  $26 + 16$ . Write your answer in the form  $a(b + c)$  where  $a$  is the GCF of 26 and 16.



# Ninth Grade



**SCIENCE**



Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Biology

1. What is the main function of the **Golgi** in an animal cell?

to store water, waste, and nutrients, such as sugar, in the cell

to control which substances enter and leave the cell

to package proteins and other substances and send them to different parts of the cell

to break down waste and worn-out cell parts

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2. Select the part whose main job is to package proteins and other substances and send them to different parts of the cell.

nucleus

chromosomes

Golgi

vacuole

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3. In a group of pea plants, some individuals have green pods and others have yellow pods. In this group, the gene for the pod color trait has two alleles. The allele  $D$  is for green pods, and the allele  $d$  is for yellow pods.

A certain pea plant from this group has yellow pods. This plant has two alleles for yellow pods.

Based on this information, what is this pea plant's **phenotype** for the pod color trait?

$dd$	yellow pods
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4. A food chain is a model that shows how the matter eaten by organisms moves through an ecosystem. Below is a food chain from an ocean ecosystem off the coast of California.



Use the information in the food chain to fill in the blanks below.

kelp	sea urchin	sea otter	great white shark
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The **producer** in this food chain is the . It is eaten by the .

5. Select the one true statement.

In an animal cell, the vacuoles contain the master plan for cell activities and cell development.

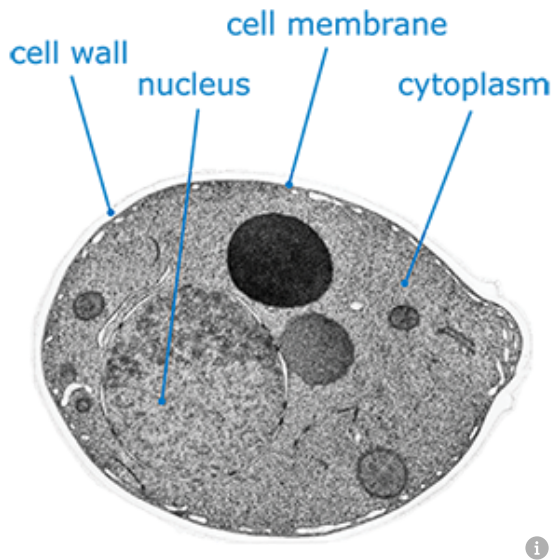
The nucleus of an animal cell does not have chromosomes.

The cytoplasm fills and maintains the space inside an animal cell.

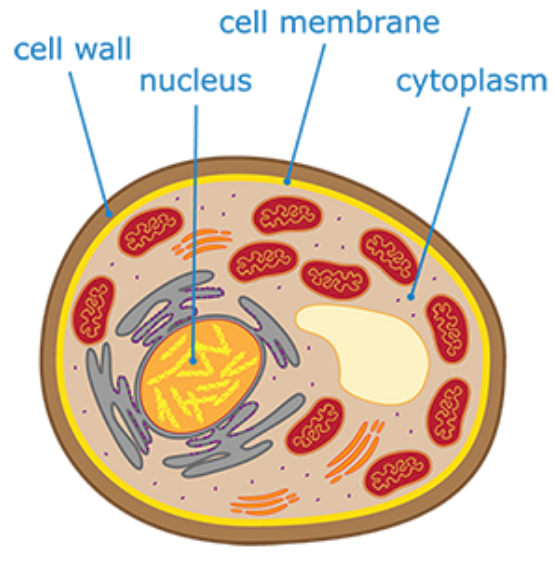
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6. Cells can be represented by a type of model called a cell diagram. Scientists use cell diagrams to show the parts that make up a cell. Cell diagrams usually show one cell, even if the cell is from a multicellular organism.

The images below show a micrograph and a cell diagram of yeast, a unicellular fungus. Compare the micrograph to the cell diagram, then answer the question.



a micrograph of a yeast cell



a diagram of a yeast cell

Which of the following statements are true? Select all that apply.

- The yeast cell diagram is a representation of the type of yeast cell shown in the micrograph.
- The cell wall in the yeast cell micrograph is the same color as the cell wall in the yeast cell diagram.
- Both the micrograph and the diagram show that a yeast cell contains a nucleus.
- Cell diagrams are used to represent only the cells of unicellular organisms.

7. All organisms need food for energy. But how does an organism's body actually get energy out of food?

Food supplies an organism with many small, energy-rich molecules. These molecules are taken in by the organism's cells. Inside cells, the molecules from food are broken down to release energy that cells can use. This energy powers cell processes that allow the entire organism to grow and live.

Select all the true statements.



Molecules from food can provide energy to cells.



Cells usually take in large food molecules.



Cells use energy to promote the organism's growth.



The process of breaking down food molecules can release energy.

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8. All organisms need food for energy. But how does an organism's body actually get energy out of food?

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The process of breaking down food molecules can release energy.

---

9. Plants, animals, and all other organisms need energy from food to live and grow.



a bear getting food

How do organisms get energy from food? Inside an organism's cells, food molecules are broken down and rearranged through chemical reactions. The reactions release **chemical energy** that the cells can use to power growth and other important cell processes. These processes allow the entire organism to live and grow.

Select all the true statements.

- Animals need food, but plants don't.
  - Chemical energy can be used for cell growth.
  - Molecules from food can provide energy.
-

10. Use the evidence in the text to select the photosynthetic organism.



Poison dart frogs have special substances in their cells. These substances help protect the frogs from poisons in the insects they eat. Eating these insects also makes the frogs poisonous!



Poison oak is a type of shrub that may have red or green leaves. Poison oak shrubs have chloroplasts in their cells. These shrubs also produce an oil that can give people an itchy rash if they touch the leaves.

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11. Which jobs does the **circulatory** system do? Select all that apply.

- It helps remove carbon dioxide waste from the body.
  - It breaks down food into small pieces.
  - It brings nutrients to cells.
  - It brings oxygen to cells.
-

12.

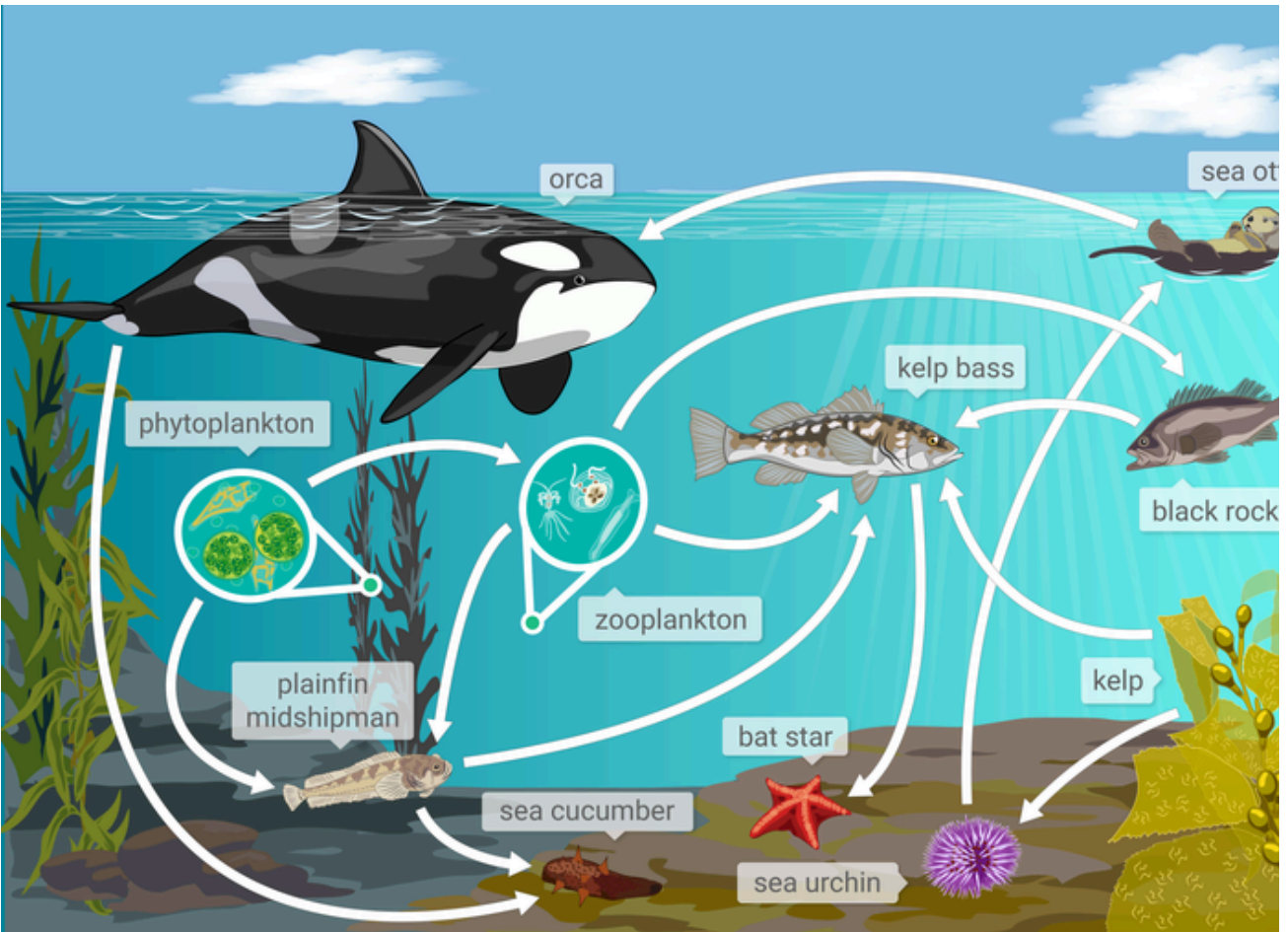


This organism is *Fromia monilis*. It is a member of the animal kingdom.

*Fromia monilis* is commonly called a tile sea star. Did you notice that this tile sea star is missing one of its arms? If a tile sea star loses an arm, it can regrow the arm over time. This ability is called **regeneration**.

Can *Fromia monilis* cells make their own food?

13. Below is a food web from an ocean ecosystem in Monterey Bay, off the coast of California.



Which **two** of the following organisms are tertiary consumers in this food web?

orca

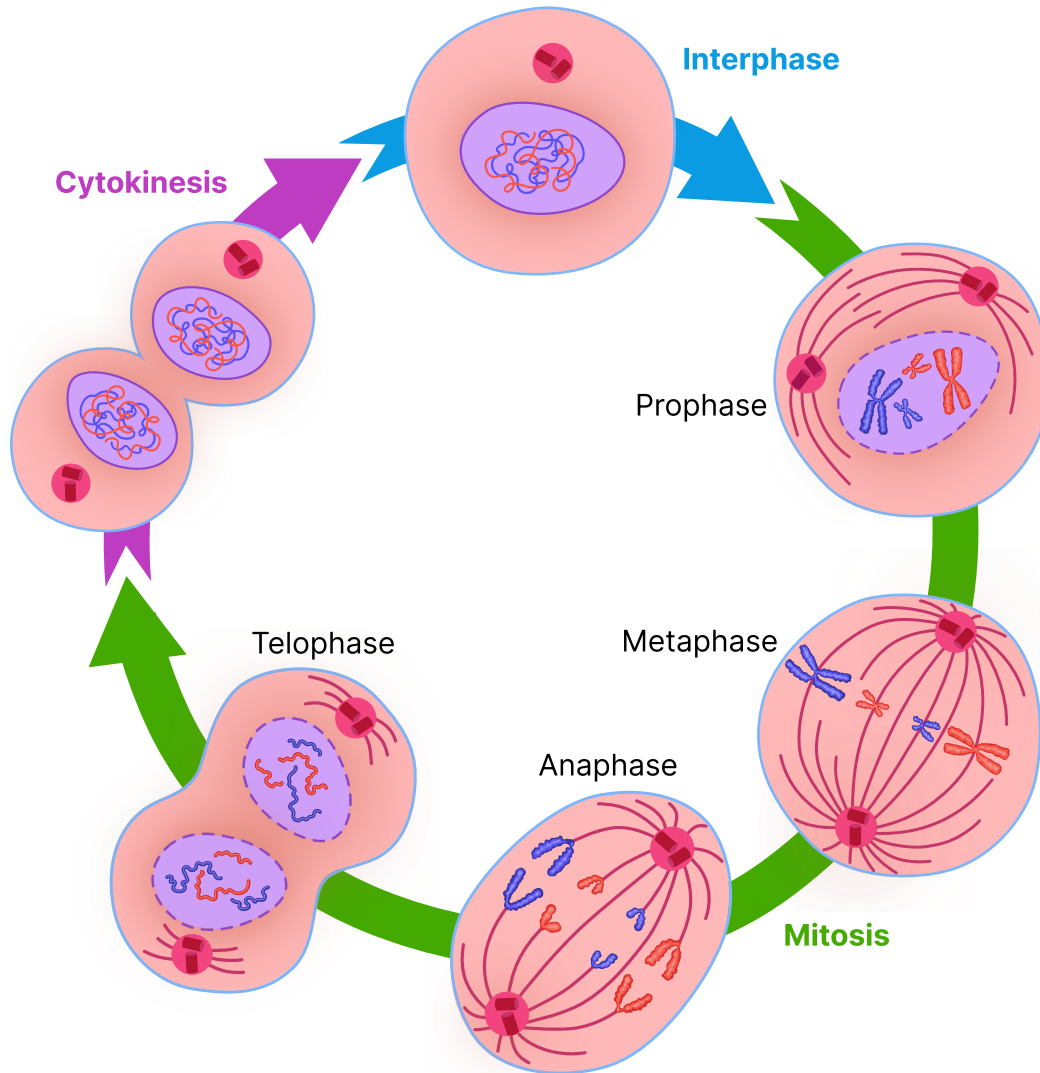
sea urchin

zooplankton

black rockfish

kelp bass

14. The diagram shows phases of the cell cycle in animal cells.



During which phase do the chromosome copies, called sister chromatids, separate and move to opposite sides of the cell?

- prophase
- anaphase
- metaphase
- cytokinesis

15. Cells take in small, energy-rich molecules from food. These molecules include sugar molecules.

Cells use the molecules in a long series of chemical reactions. These reactions are known together as **cellular respiration**. Cellular respiration breaks down energy-rich molecules to form different molecules. This process also releases energy.

Which of the following statements are true about cellular respiration? Select all that apply.

Cellular respiration happens outside of cells.

Cellular respiration releases energy.

Cellular respiration is a single chemical reaction.

Cellular respiration uses energy-rich molecules.