

Image Analysis: Notice & Wonder

Instructions: Look at the image and write down 2-3 things you notice (key details, main ideas, themes) and then write down 2-3 things you wonder (questions you have because of the image, things you are curious about when you look at the image.)

**What
do you
notice?**



**What
do you
wonder?**

Bubble Map Graphic Organizer

Student Activity: This printable activity has students create a bubble map to summarize the reading.

It also includes pages for vocabulary, reading the article and taking notes, short answer questions, multiple choice questions, and a discussion worksheet for open-ended prompts.

How to share with students: These pages are sized for printing or can be assigned digitally using an LMS (like Google Classroom), where students can work on their own slide decks via "Make a Copy for Each Student." Each slide is set up with text boxes for students to type in.

Please Note: Because Diffit resources can vary in length, be sure to check the formatting on each slide.

Suggested Lesson Flow:

1. Students record what they notice and what they wonder about the image.
2. Students review key vocabulary words.
3. Students will complete a Bubble Map to summarize what they learned from the reading.
4. Students read and take notes.
5. Students answer the questions and explain their thinking.
6. Students write answers to the short answer questions.
7. Have students complete the Open Ended Questions and discuss with partners or groups.

Feel free to edit, remix, and use this resource however works best for you and your students! [Find editing tips here!](#)

Learn More: [Please reach out](#) with any questions or feedback. You can also learn more on our [FAQ page](#), or get more resources at [Diffit.me!](#)

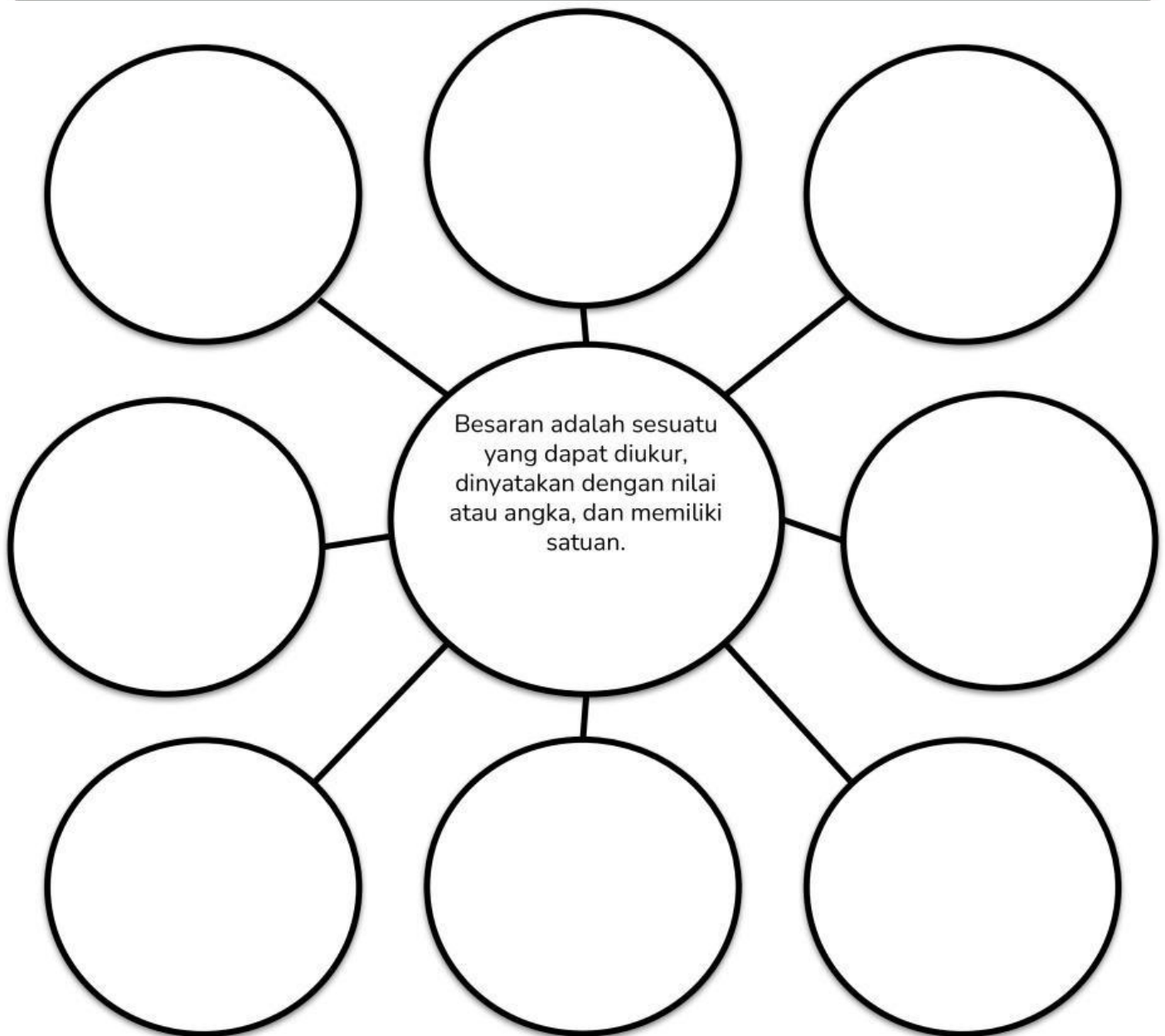
Key Vocabulary

Instructions: For each term, use the word in a sentence that shows you understand it's definition. Then create an image to represent the term. Be ready to explain the image.

Vocabulary Term besaran <i>noun</i> Sesuatu yang dapat diukur, dinyatakan dengan nilai atau angka, dan memiliki satuan.	Use It In A Sentence: 	An Image to Represent It:
Vocabulary Term dimensi <i>noun</i> Cara penulisan suatu besaran dengan menggunakan lambang besaran pokok.	Use It In A Sentence: 	An Image to Represent It:
Vocabulary Term satuan <i>noun</i> Pembanding dalam pengukuran.	Use It In A Sentence: 	An Image to Represent It:
Vocabulary Term konversi <i>noun</i> Proses mengubah suatu satuan ke dalam satuan-satuan lain yang setara.	Use It In A Sentence: 	An Image to Represent It:
Vocabulary Term vektor <i>noun</i> Besaran yang memiliki nilai dan arah.	Use It In A Sentence: 	An Image to Represent It:

Bubble Map Graphic Organizer

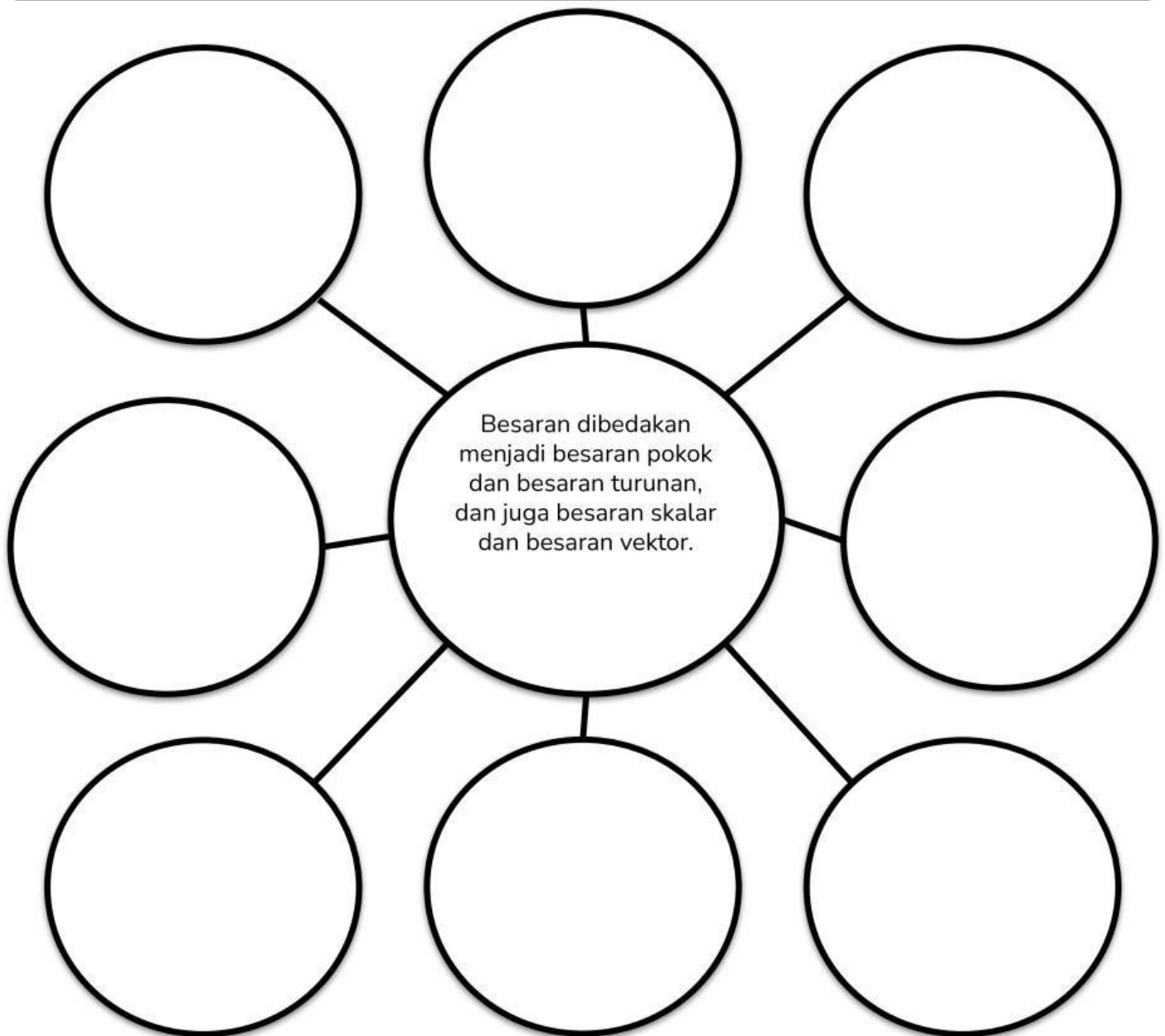
The center of the bubble map has a main idea from the reading to help get you started. Fill in the connecting bubbles with terms, concepts, and two visuals that connect to the reading. Explain the connections you made below. "_____ connects to the reading because_____"



Explain the connections you made above in your own words.

Bubble Map Graphic Organizer

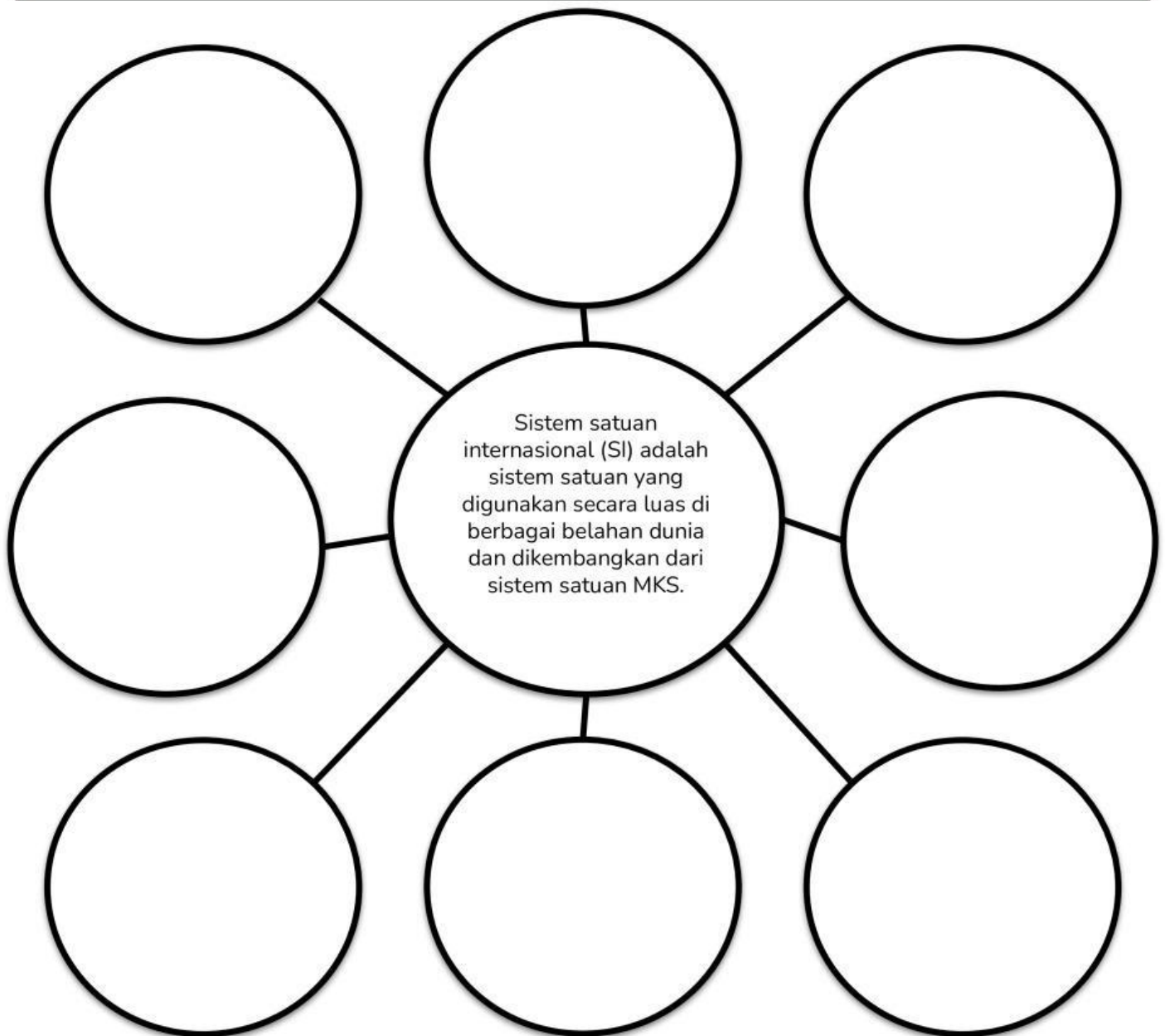
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Explain the connections you made above in your own words.

A large empty rectangular box provided for the student to write their explanation of the connections.

Answer and Explain

Instructions: For each question, answer the question and then explain why you picked the answer you did using specific evidence from the text.

Question:

1. Manakah dari berikut ini yang TIDAK termasuk dalam tujuh besaran pokok?

Pick the Answer

- A) Panjang
- B) Massa
- C) Waktu
- D) Kecepatan

Explain: Why did you pick that answer?

Question:

2. Apa yang dimaksud dengan satuan baku?

Pick the Answer

- A) Satuan yang digunakan di seluruh dunia
- B) Satuan yang didefinisikan secara pasti
- C) Satuan yang digunakan di wilayah tertentu
- D) Satuan yang mudah diubah ke satuan lain

Explain: Why did you pick that answer?

Question:

3. Apa fungsi utama dari dimensi dalam ilmu fisika?

Pick the Answer

- A) Untuk mengukur besaran
- B) Untuk menentukan satuan besaran
- C) Untuk menganalisis hubungan antar besaran
- D) Untuk mengubah satuan besaran

Explain: Why did you pick that answer?

Short Answer Questions

Question

1. Jelaskan perbedaan antara besaran skalar dan besaran vektor, serta berikan contoh masing-masing.

Question

2. Apa yang dimaksud dengan Sistem Satuan Internasional (SI) dan mengapa sistem ini penting dalam dunia sains?

Question

3. Sebutkan tiga contoh besaran turunan dan jelaskan bagaimana besaran-besaran tersebut diturunkan dari besaran pokok.

Reflect and Discuss

Instructions: Respond to the following question using the reading and your own knowledge and experiences. Be as thorough as possible.

1. Setelah mempelajari tentang besaran pokok dan besaran turunan, bagaimana kamu dapat menerapkan pengetahuan ini dalam kehidupan sehari-hari? Berikan contoh konkret bagaimana kamu dapat menggunakan konsep ini untuk menyelesaikan masalah atau memahami fenomena di sekitarmu.

Write Your Response Here. Be sure to use what you learned in the reading and your own knowledge and experiences to answer the question thoroughly.

Instructions: When instructed, you will share your responses with your group. Take notes on their responses in the boxes below. Be sure to write their names at the top of each box.

Student #1: _____

Student #2: _____

Student #3: _____

Student #4: _____

Reflect and Discuss

Instructions: Respond to the following question using the reading and your own knowledge and experiences. Be as thorough as possible.

2. Teks ini membahas tentang satuan baku dan satuan tidak baku. Menurutmu, mengapa penting untuk menggunakan satuan baku dalam ilmu pengetahuan? Bagaimana penggunaan satuan tidak baku dapat memengaruhi hasil pengukuran dan kesimpulan yang diambil?

Write Your Response Here. Be sure to use what you learned in the reading and your own knowledge and experiences to answer the question thoroughly.

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Reflect and Discuss

Instructions: Respond to the following question using the reading and your own knowledge and experiences. Be as thorough as possible.

3. Teks ini menjelaskan tentang dimensi besaran. Bagaimana pemahaman tentang dimensi dapat membantu kita dalam menganalisis kebenaran suatu persamaan atau hubungan antar besaran? Berikan contoh konkret bagaimana kamu dapat menggunakan konsep dimensi untuk memverifikasi suatu rumus atau persamaan dalam ilmu pengetahuan.

Write Your Response Here. Be sure to use what you learned in the reading and your own knowledge and experiences to answer the question thoroughly.

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