

Keeping Interactive Notebooks in Science - The Left Side

The left page demonstrates your understanding of the information from the right side of the page. You work with the input and interact with the information in creative, unique and individual ways. The left side incorporates and reflects how you learn science as well as what you learn in science. The 12"Clock" questions below help focus your attention and guide your learning of the science content and concepts.

What does on the left side?

OUTPUT goes on the left side! Left side items include:

- Biography posters
- Brainstorming
- Concept Maps
- Discovery Headlines
- Riddles
- Illustrations
- Cartoons
- Poetry and songs
- Metaphors and analogies
- Venn diagrams
- Data and graphs you generate
- Analysis writing
- Reflection writing
- Quick writes
- Four-square analogies
- Mnemonics
- Flowcharts
- Pictographs
- Significant statements
- Drawings
- Graphic Organizers
- Writing Prompts
- Your Questions
- Other creative avenues for processing information

Things to Know About Left Sides

- Left sides have even-numbered pages. Every left-side page gets used and relates to a right side.
- Always use color (minimum of three per page) for learning. It helps the brain learn and organize information (no markers).
- Quizzes, tests, and other summative assessments are left-side items.
- Homework problems are left-side items (but they don't take the place of processing your notes!).

12. Make a graphic organizer to clarify this information.

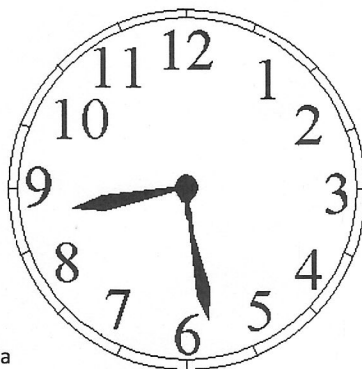
11. Elaborate on the topic.

10. Explain the application of this information to a real life situation.

9. Make vocabulary cartoons from this topic.

8. Create a concept map to show the relationships within this topic.

7. Compare and contrast 2 ideas with a Venn diagram.



1. Write a science fiction story.

2. Paraphrase this information into 2 sentences.

3. Create and solve 3 original problems.

4. Write four "What if..." statements about this topic.

5. Create a visual illustration explaining this information.

6. Write a letter to _____ about this issue.

Keeping Interactive Notebooks in Science - The Right Side

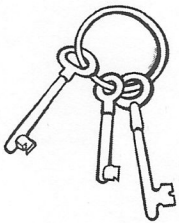
Interactive notebooks will be used in class daily to help you learn and remember important science concepts. *Why do they work?* This notebook style uses both the right and left sides of the brain to help you sort, categorize, remember and creatively interact with the new knowledge you are gaining. The more you process information the more you begin to understand it. This leads to longer retention.

What does on the right side?

INPUT GOES ON THE RIGHT SIDE! Input is all the information that you are supposed to learn. Some examples of input include the following:

- Notes from a lecture or guest speaker
- Text or other source
- Vocabulary words
- Video and film notes
- Lab information and procedures
- Procedures
- Readings
- Questions and answers
- Sample problems

The Keys to Fantastic Right Sides



- Right sides have **ODD** numbered pages. Always start the page with the date and title at the top of the page.
- The right side is for writing down information you are given in class. Use Cornell notes for lecture, discussion, text, sample problems, etc. Write up your study questions ASAP.
- Write legibly. Use highlighting and color to make important information stand out.
- Write summaries at the bottom of each page of notes to reduce the amount of information you have to study.

Costa's Levels of Thinking

Level 1 – Knowledge & Comprehension							
Introduction of Knowledge							
Define	Describe	Identify	List	Name	Observe	Recite	Scan
Level 2 – Application & Analysis							
Practice Knowledge Learned							
Analyze	Compare	Contrast	Group	Infer	Sequence	Synthesize	
Level 3 – Synthesis & Evaluation							
Demonstrates Mastery of Knowledge							
Apply	Evaluate	Hypothesize	Imagine	Judge	Predict	Speculate	