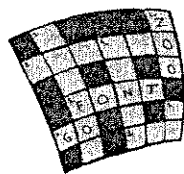


## SCIENCE 10F VOCABULARY ACTIVITIES

One of the most important but often most difficult parts of learning science is learning the terms associated with it. The best way to learn a new word is to use it. In keeping with this philosophy, you will be expected to do a certain number of vocabulary activities in each unit. These different activities are designed to appeal to students with all different interests and strengths. Each activity has been assigned a value. In each unit, you will be asked to do activities that total to a certain number of marks. Below is a description of each activity, as well as the number of marks associated with it.

### **Please Note:**

- **You must do at least 2 different types of activities for each unit.**
- **You will be expected to do at least five (5) different kinds of activities through the course of the year.**
- **You must use all of the words once before you can use the same words again. This may mean you have to wait until further into the unit to complete some activities. Looking up words on the internet or in dictionaries is not advised, because some words have many definitions, and some definitions are too complicated!**
- **As a guideline, you should expect to complete about 10 marks worth of activities per week.**



### **Crossword Puzzle - Template Available - 20 Marks**

Each crossword puzzle template has blanks for 14 words (7 across and 7 down). Start by fitting the words into the grid, making sure they cross and intersect. Then create a clue for each word that would help the solver fill in the puzzle. A blank puzzle (suitable for copying), as well as an answer key are expected.

### **Flashcards - Template Available - 15 Marks**

A complete set of flashcards is 6 cards (1 sheet). On the front of each card, write 1 term and draw a picture that would represent that term. On the back of the card the term is defined. Flashcards make great study aids for tests and exams!



### **Cryptogram - 15 Marks**

A cryptogram is a puzzle where all of the letters have been replaced by numbers, pictures, or even other letters. The solver's job is to figure out the key - which symbol stands for each letter. To create the puzzle, create your key and then list 12 words from the unit. Give the solver 2 clues, as well as a couple of letters to get them started. An example of a cryptogram will be done in class.



### **Memory Game - Cards Available - 15 Marks**

Memory is a game where two players try to make pairs by remembering where common cards are located. When making a memory card set, you choose ten words. You create two different representations of each word - for example the word itself, a picture, or definition. The players would then try to match the cards which represent the same word.

### **Word Cycle - Template Available - 10 Marks**



A word cycle shows the connections between words. A vocabulary word goes in each of the circles, and then in the spaces in between goes an explanation of how the words are connected, through similarities or differences.

### **Multiple Choice Questions - 10 Marks**

Create a set of 10 multiple choice questions that relate to the topics in the unit. Each question should have 4 possible answers, and the answers should all be at least feasible. Please include an answer key. Good questions tend to show up on tests or exams...



### Word Search - Template Available - 5 Marks

In this common puzzle, 15 words are filled into an empty grid. The rest of the grid is filled with random letters. The solver's job is to find and circle the words. A blank puzzle (suitable for copying) and an answer key are expected.

### Taboo Cards - Cards Available - 5 Marks

Taboo is a multiplayer game where one person tries to make another person say a certain word. The only catch is that there are 5 words that are 'taboo' which they are not allowed to use in their description. Your job is to make 10 cards using one term on each card. Then you must decide five words that would be very useful in giving a description which will be taboo.

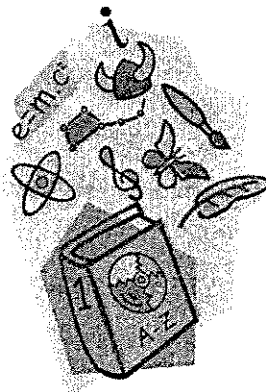
### Compare and Contrast - Template Available - 5 Marks

A compare and contrast frame highlights similarities and differences between terms. Only certain words will be acceptable to use in the frame. Ask the teacher for a suitable pair. You will need 3 similarities, 3 differences, and a summarizing sentence.



### Word Art - 5 Marks

Word art involves showing the meaning of a word using only a picture or drawing of the word itself. Simple examples are **LARGE** and *small*. In order to receive the 5 marks, you must do 2 different words (1/2 page each). Some artistic flair and/or color is expected.





SCIENCE 10F  
VOCABULARY ACTIVITIES

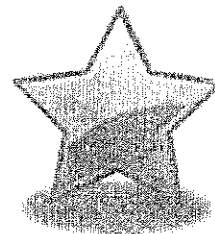
NAME \_\_\_\_\_

Unit :           **ASTRONOMY**

Marks Required:

Activity Name	Value	Mark	Teacher Initial

TOTAL: \_\_\_\_\_

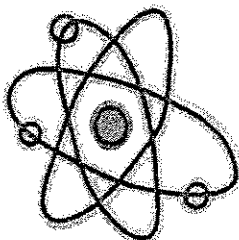


Unit :           **CHEMISTRY**

Marks Required:

Activity Name	Value	Mark	Teacher Initial

TOTAL: \_\_\_\_\_

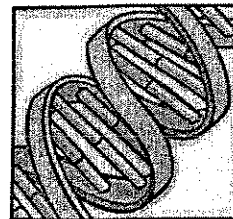


Unit : REPRODUCTION

Marks Required:

Activity Name	Value	Mark	Teacher Initial

TOTAL: \_\_\_\_\_

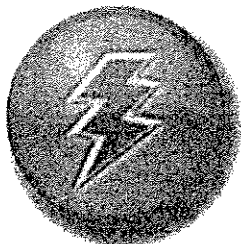


Unit : ELECTRICITY

Marks Required:

Activity Name	Value	Mark	Teacher Initial

TOTAL: \_\_\_\_\_



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

**Across**

**Down**

1

1

2

2

3

3

4

4

5

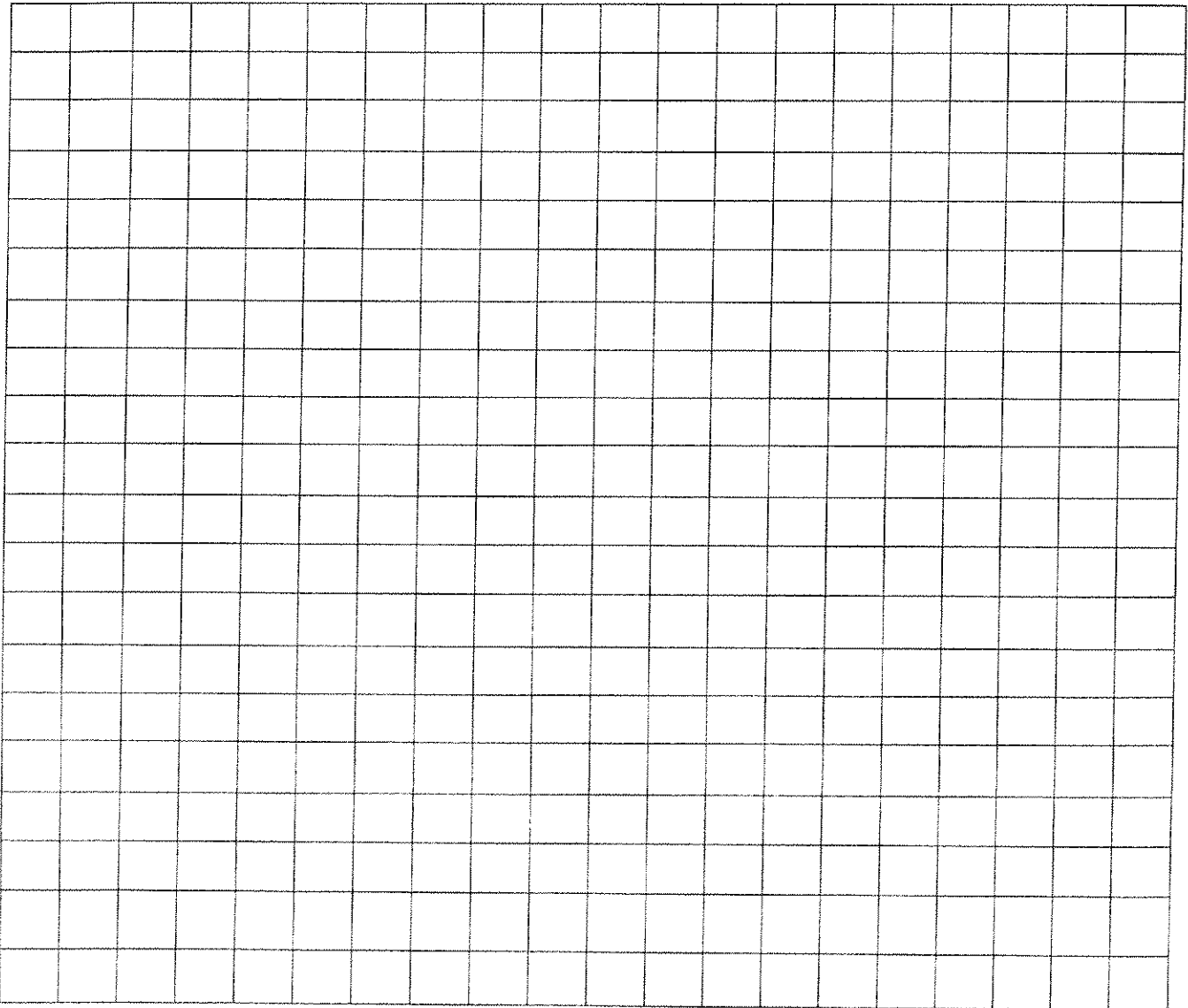
5

6

6

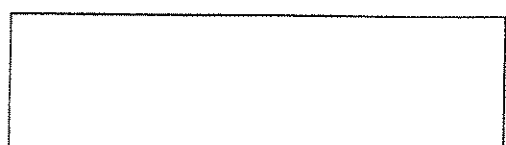
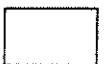
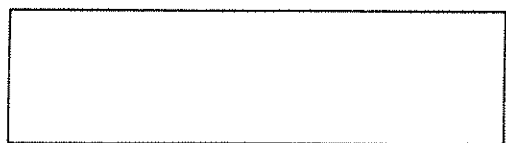
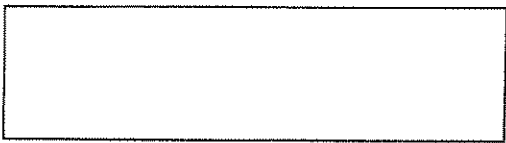
7

7











SAMPLE CRYPTOGRAM  
The First Days of School

Q		Z	W				X				V	
1	2	3	4	5	6	7	8	9	10	11	12	13

G		Y					K	J				
14	15	16	17	18	19	20	21	22	23	24	25	26

1)  $\frac{\quad}{23} \frac{\quad}{2} \frac{\quad}{13} \frac{\quad}{17} \frac{\quad}{5} \frac{\quad}{23} \frac{\quad}{2} \frac{\quad}{13} \frac{\quad}{20} \frac{\quad}{11} \frac{\quad}{7}$

2)  $\frac{\quad}{7} \frac{\quad}{11} \frac{\quad}{20} \frac{\quad}{5} \frac{\quad}{18} \frac{\quad}{11} \frac{\quad}{5}$

3)  $\frac{\quad}{7} \frac{\quad}{24} \frac{\quad}{11} \frac{\quad}{20} \frac{\quad}{2} \frac{\quad}{25} \frac{\quad}{7} \frac{\quad}{13} \frac{\quad}{19} \frac{\quad}{9} \frac{\quad}{20} \frac{\quad}{5} \frac{\quad}{7}$

4)  $\frac{\quad}{13} \frac{\quad}{5} \frac{\quad}{2} \frac{\quad}{11} \frac{\quad}{17} \frac{\quad}{5} \frac{\quad}{6} \frac{\quad}{7}$

5)  $\frac{\quad}{7} \frac{\quad}{13} \frac{\quad}{19} \frac{\quad}{9} \frac{\quad}{5} \frac{\quad}{18} \frac{\quad}{13} \frac{\quad}{7}$

6)  $\frac{\quad}{14} \frac{\quad}{16} \frac{\quad}{23} \frac{\quad}{18} \frac{\quad}{2} \frac{\quad}{7} \frac{\quad}{20} \frac{\quad}{19} \frac{\quad}{23}$

7)  $\frac{\quad}{26} \frac{\quad}{6} \frac{\quad}{20} \frac{\quad}{18} \frac{\quad}{11} \frac{\quad}{20} \frac{\quad}{26} \frac{\quad}{2} \frac{\quad}{25}$

8)  $\frac{\quad}{5} \frac{\quad}{18} \frac{\quad}{14} \frac{\quad}{25} \frac{\quad}{20} \frac{\quad}{7} \frac{\quad}{17}$

9)  $\frac{\quad}{25} \frac{\quad}{19} \frac{\quad}{18} \frac{\quad}{11} \frac{\quad}{17}$

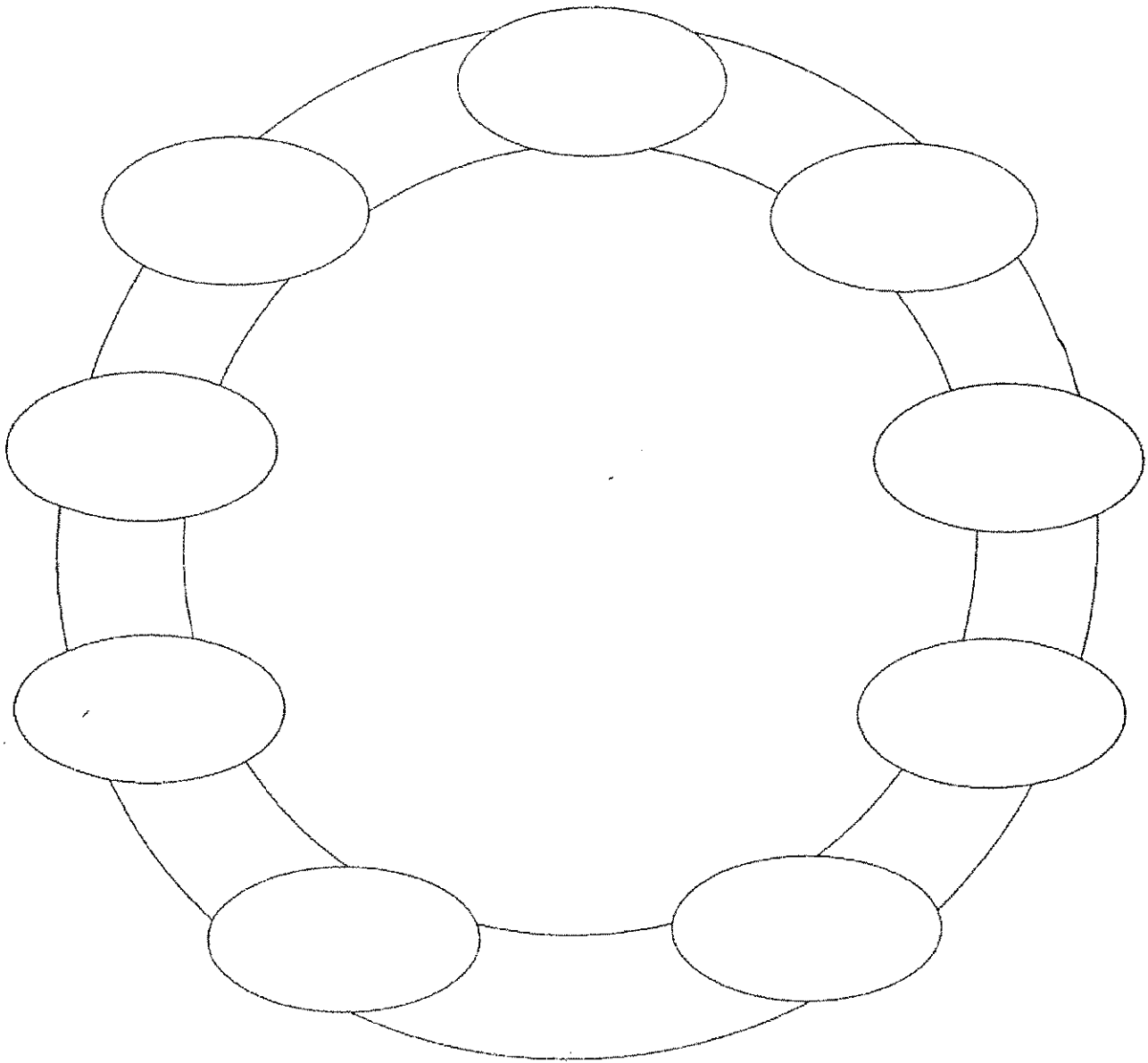
10)  $\frac{\quad}{7} \frac{\quad}{17} \frac{\quad}{2} \frac{\quad}{10} \frac{\quad}{13} \frac{\quad}{5} \frac{\quad}{7} \frac{\quad}{15} \frac{\quad}{19} \frac{\quad}{6} \frac{\quad}{16}$

11)  $\frac{\quad}{17} \frac{\quad}{24} \frac{\quad}{23} \frac{\quad}{5} \quad \frac{\quad}{5} \frac{\quad}{11} \frac{\quad}{24} \frac{\quad}{18} \frac{\quad}{24} \frac{\quad}{23} \frac{\quad}{20} \frac{\quad}{11} \frac{\quad}{7}$

12)  $\frac{\quad}{10} \frac{\quad}{6} \frac{\quad}{5} \frac{\quad}{18} \frac{\quad}{11} \frac{\quad}{17}$

Hints: #2 - This is sure to be your favorite class this year! ;)  
#6 - The name of the classroom where Phys Ed takes place.

**Word Cycle**



**Directions:**

Read the list of words in the circle above. Select one word and place it in any oval. In the next oval, place another word that is related to the first. They could be synonyms, antonyms, steps in a process, examples of something, and so on. Be prepared to finish the statement "Word A is related to word B because . . ." Write a note on the band in between the words to remind yourself of the relationship. Continue this process until you have placed all the words. Plan ahead; the last few words will be tricky to place.

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**Adapted Word Cycle:** From *Reading — A Novel Approach*. Text by Janice Szabos. Illustrations by Vi Filkins. © 1984 by *Good Apple*, an imprint of Modern Curriculum, Simon & Schuster Elementary. L by permission.

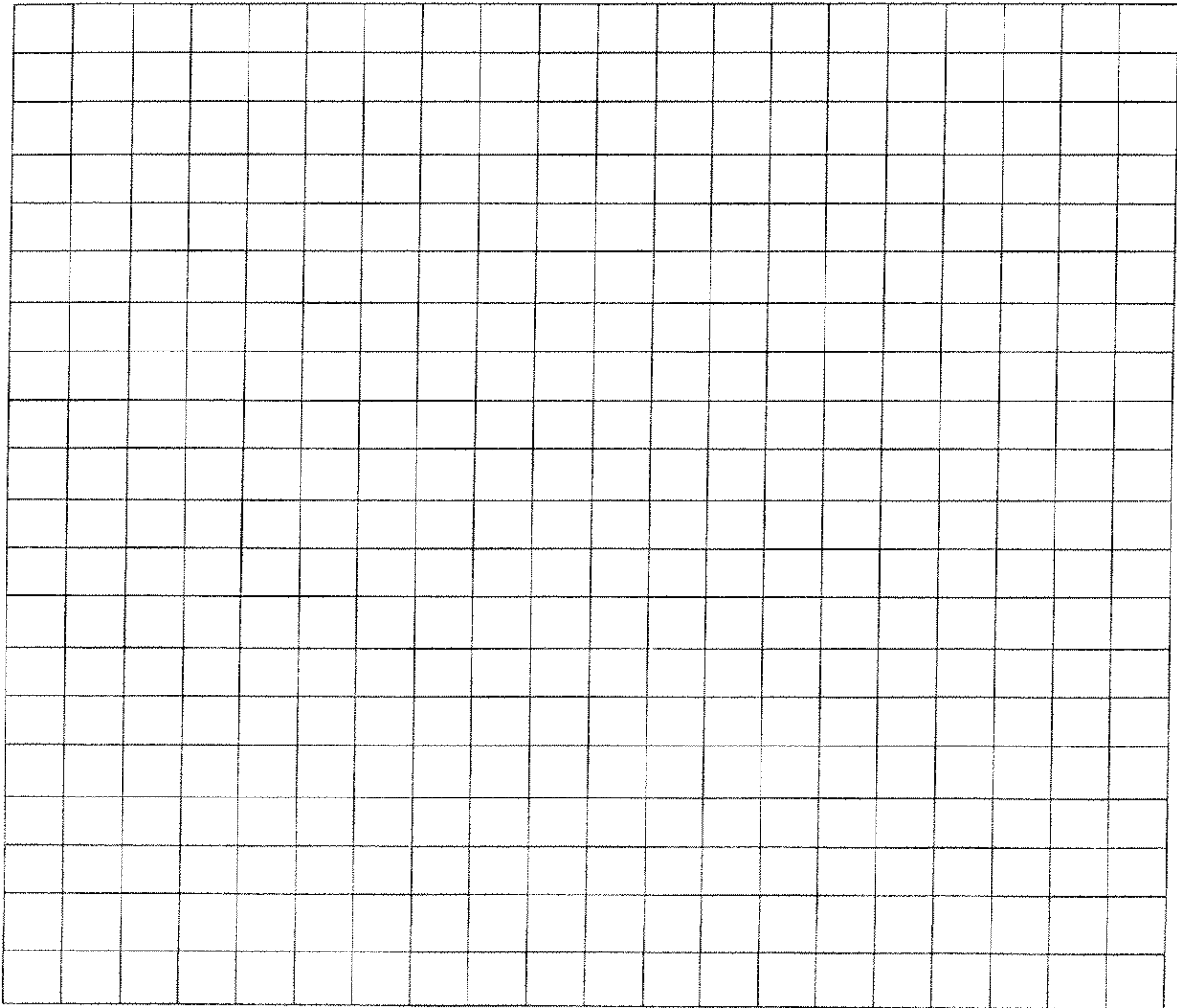
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# WORD SEARCH PUZZLE

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

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____







### Compare and Contrast

Unit \_\_\_\_\_ Topic \_\_\_\_\_

C  
O  
M  
P  
A  
R  
E

How are \_\_\_\_\_ and \_\_\_\_\_ alike?

C  
O  
N  
T  
R  
A  
S  
T

How are \_\_\_\_\_ and \_\_\_\_\_ different?

Write a statement to compare and contrast the two terms, concepts, or events.

**Compare and Contrast Frame:** Used by permission of Lynda Matchullis and Bette Mueller, Nellie McClung Collegiate, Pembina Valley S.D. No. 27, Manitoba.