

CHAPTER 1	Launch Lab: Chemistry Recall	BLM 1.0.1
HANDOUT		

As you begin your study of chemistry, you will need to recall concepts you learned in previous science courses. This activity will give you an opportunity to find out how much you remember and how much you need to review. A review is provided for you in the Unit Preparation on p. 4 of the text. Work with a partner.

### Materials

- pencil
- paper

### Procedure

1. Cut the grid on the following page into individual squares so that you have 25 small pieces of paper, each bearing a chemical symbol.
2. Turn the pieces of paper upside down on a desk or table. Mix them thoroughly.
3. Pick up two pieces of paper and read the symbols.
4. Without letting your partner see the symbols, write them down on another piece of paper.
5. Below the symbols, write the names of the two elements.
6. Try to think of a compound that could form from these two elements. Below the names of the elements, indicate whether you think you could successfully create a compound by writing “yes” or “no.” If you are not sure, write “Do not know.”
7. If you think a compound could form, write the name and formula of the compound beside your answer to Step 6. Indicate whether the bond would be ionic, covalent, or neither. If you are not sure, write “Do not know.”
8. Repeat Procedure Steps 3 to 7 until you have at least four different compounds.
9. On separate small pieces of paper (each about 2 cm × 2 cm), write the names of the compounds and exchange them with your partner.
10. Try to identify the elements your partner chose and have your partner identify the elements you chose. After determining whether you communicated the elements correctly, compare all of the information you and your partner wrote and discuss the results.

### Analysis

1. How well did you recall the names of the symbols? How well do you think you named the compounds and identified the type of bonding?

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H	Li	Mg	Na	K
Ca	Ba	C	N	O
P	S	Cl	F	Br
Se	I	Fe	Ag	Au
Pb	Zn	Si	B	Al

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2. How much review do you need to name the elements, compounds, and type of bonding?
  
3. If you do not recall the names of the elements or could not answer all of the questions, study the appropriate sections in the Unit 1 Preparation.
4. Design a game that you could play with one or more partners that would help everyone develop a good chemistry vocabulary.

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Possible Compounds from Atom Pairs

	Symbols	Names	Compound possible? Y or N	Compound formula and name	Ionic or covalent?
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9					
10.					