

Name: _____

Hour: _____ Date: _____

Chemistry: *Aliens*

Introduction

Your task is to arrange the Aliens in some logical pattern so that they form an organized rectangular block. Within each **group**, all the Aliens in that group must be *exactly the same* in some way (the **Key Similarity**), AND must also *share some feature that changes regularly* as you move down the group (the **Varying Trait**). Similarly, within each **period**, all the Aliens in the period must be *exactly the same* in some way (the **Key Similarity**), AND must also *share some feature that changes regularly* as you move across the period (the **Varying Trait**). Two Aliens are missing from your set; simply leave empty spaces in your rectangular block for these Aliens. Once you have finished arranging your Aliens, have your teacher look at your block to check it and to sign your paper below. You must have the teacher sign your paper before you proceed to answering the questions that follow. Be prepared to answer any questions the teacher may have about why you placed the Aliens in the order you did. Good luck.

Questions:

Teacher Sign-Off _____

1. How many **groups** of Aliens do you have? _____ How many **periods** of Aliens do you have? _____

2. *The Missing Aliens...* For each Alien that is missing...

- A) list five statements describing what it looks like, and then
- B) draw it neatly in the space provided.

DESCRIPTION OF MISSING ALIEN #1

DRAWING OF MISSING ALIEN #1

I.

II.

III.

IV.

V.

DESCRIPTION OF MISSING ALIEN #2

DRAWING OF MISSING ALIEN #2

I.

II.

III.

IV.

V.

3. Now, give detailed information about your chart of Aliens. Circle **group** or **period** and list the group or period number. Then, list the **Key Similarity** and the **Varying Trait** for the Aliens in that group or period. Be specific, yet concise.

Group or Period	Number	Key Similarity	Varying Trait
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			
group period			

4. *The 'Next' Alien?* For **one** group and **one** period...

GROUP NUMBER = _____

PERIOD NUMBER = _____

- A) Describe what the 'Next' Alien might look like, and
B) draw neatly what it might look like.

DESCRIPTION OF THE 'NEXT' ALIEN

DRAWING OF THE 'NEXT' ALIEN

"The 'Next' Alien almost certainly has..."

"Things about the 'Next' Alien we really don't know..."