

# Alien Periodic Table

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## 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 a feature that changes regularly* as you move down the group (the **Varying Trait**).
  - Within each **period**, all the Aliens in the period must be *exactly the same* in some way (the **Key Similarity**), AND must also *share a 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 check it and to sign your paper.
  - Be prepared to answer any questions the teacher may have about how you arranged the Aliens.
  - Good luck!
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DECK LETTER:

TEACHER STAMP:

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1) How many **groups** of Aliens do you have? \_\_\_\_\_ How many **periods** of Aliens do you have? \_\_\_\_\_

## 2) ALL ABOUT THE MISSING ALIENS

For each Alien that is missing...list five statements describing what it looks like, and draw it neatly.

### 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) **GIVE DETAILED INFORMATION ABOUT YOUR TABLE OF ALIENS.**

- List if you are describing a GROUP or a PERIOD
- List the group or period NUMBER.
- List the **Key Similarity** for the Aliens in that group or period -  
(what does everything in that group or period have in common)
- List the **Varying Trait** for the Aliens in that group or period. Be specific, yet concise. -  
(what is the characteristic in that group or period that changes in a PREDICTIBLE and PATTERNED way...not everything that is different! )

Group or Period	Number	Key Similarity	Varying Trait

4) **THE 'NEXT' ALIEN?** Pick a *NEW* group and period that is not already part of your alien table. Describe what the 'Next' Alien might look like, and neatly draw what it might look like.

GROUP NUMBER = \_\_\_\_\_ PERIOD NUMBER = \_\_\_\_\_

**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..."

5) What similarities and differences does this table have to Earth's periodic table?