

**SECTIONS: 4A,B,C,D,E**

DATE	HOMEWORK	PARENT SIGNATURE
Monday	→ Complete "Identifying the Phases of the Moon II"	
Tuesday	→ Complete "Identifying the Phases of the Moon III"	
Wednesday	→ Complete "Identifying the Phases of the Moon IV"	
Thursday	→ Complete "Drawing Moon Phases"	
Friday	→ Complete "Identifying Moon Phases"	

**Reminders**

- Parents: Don't forget to initial your child's HW Cover Sheet every night.
- HW due Monday, February 3rd
- Earth's Movement and Moon Phases Test Monday, Feb. 3rd.

**SCIENCE VOCABULARY**

**Earth's rotation:** from east to west on it's axis, creates the change from night to day

**Earth's revolution:** causes visual variations of parts of the sky (orbit around the sun)

**Satellite:** any object that orbits or revolves around another object.

## Identifying the Phases of the Moon II

**Waxing Crescent** - when we can see only a sliver of the moon's disk (*right-hand side*).

**Full Moon** - when the moon's disk is light because the Earth is between the sun and the moon

**Waxing Gibbous** - when we can see roughly three-quarters of the moon's disk (the *right side* of the moon is lit).

**First Quarter** - can see one-half of the moon's disk (at First Quarter, you see the *right half* of the moon lit [this one-quarter of the entire moon's surface]).








**New Moon** - when the moon's disk is dark (and invisible to us) because the moon is between the sun and the Earth

**Last/3<sup>rd</sup> Quarter** - can see one-half of the moon's disk (at Last/3<sup>rd</sup> Quarter, you see the *left half* of the moon lit [this one-quarter of the entire moon's surface]).

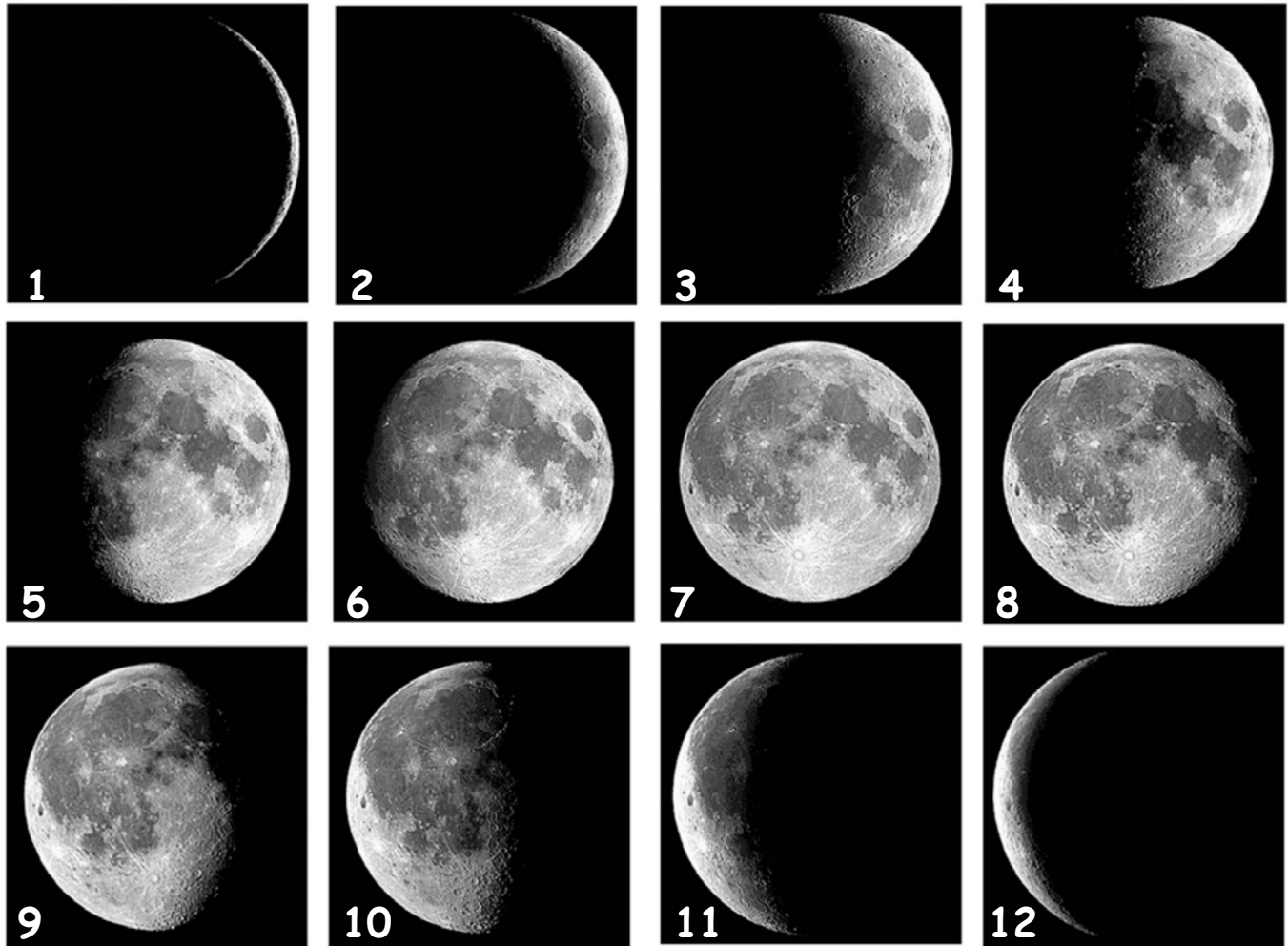
**Waning Gibbous** - when we can see roughly three-quarters of the moon's disk (the *left side* of the moon is lit).

**Waning Crescent** - when we can see only a sliver of the moon's disk (*left-hand side*).

*Using the table above, write the phase of the moon shown in the picture.*

## Identifying Phases of the Moon III



Using the pictures above, complete the worksheet.

Which image shows First Quarter? \_\_\_\_\_ Full? \_\_\_\_\_ Third Quarter? \_\_\_\_\_

Which images are crescents? \_\_\_\_\_ Gibbous? \_\_\_\_\_

Which images are waxing? \_\_\_\_\_ through \_\_\_\_\_

Which images are waning? \_\_\_\_\_ through \_\_\_\_\_

## Identifying Phases of the Moon IV

For each of the diagrams below, **identify the exact phase** of each and then **order** the phases (1 thru 8) in sequence beginning with the New Moon as #1.



**A**

**Phase:**

**Order:**



**B**

**Phase:**

**Order:**



**C**

**Phase:**

**Order:**



**D**

**Phase:**

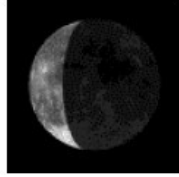
**Order:**



**E**

**Phase:**

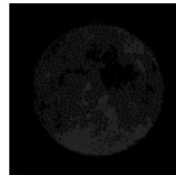
**Order:**



**F**

**Phase:**

**Order:**



**G**

**Phase:**

**Order:**



**H**

**Phase:**

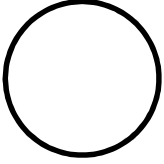
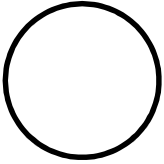
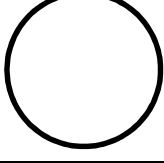
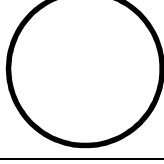
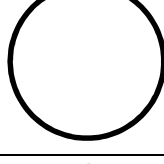
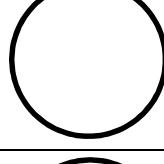
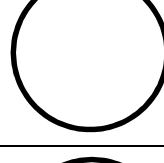
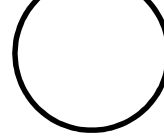
**Order:**

Phases:

1. New Moon
2. Waxing Crescent
3. 1<sup>st</sup> Quarter
4. Waxing Gibbous
5. Full Moon
6. Waning Gibbous
7. Last Quarter
8. Waning Crescent

# Drawing Moon Phases

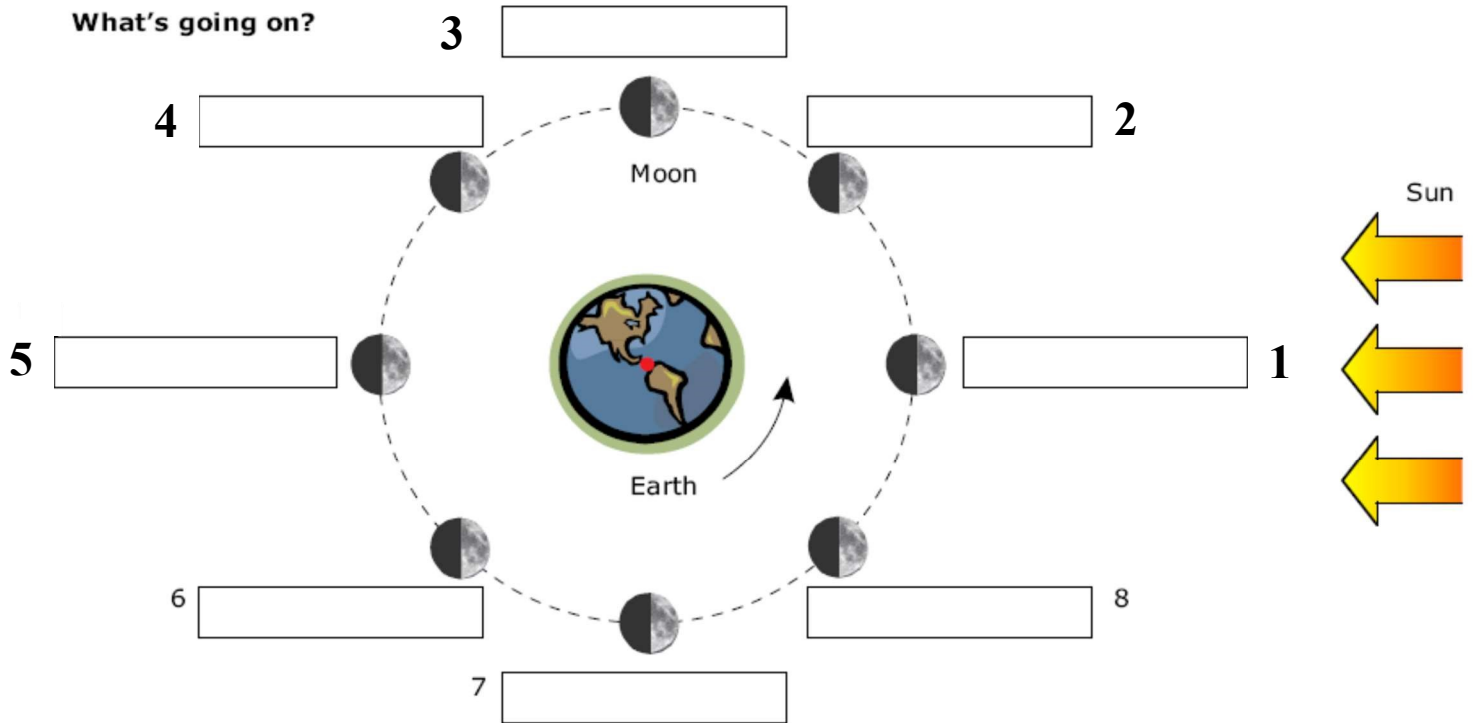
Using the description and matching words, complete worksheet by adding the drawing of that phase of the moon.

<b>1. New Moon</b> Moon is almost directly between the sun and Earth (start of cycle).	
<b>2. Waxing Crescent Moon</b> A bit of the sunlit side of the moon shows on the right side.	
<b>3. First Quarter Moon</b> The moon is a quarter of its way around Earth. It is in its first quarter phase.	
<b>4. Waxing Gibbous Moon</b> The moon is increasing in light between a first quarter moon and a full moon.	
<b>5. Full Moon</b> Two weeks have passed since the new moon. We see the entire face of the moon shining.	
<b>6. Waning Gibbous Moon</b> The moon is decreasing in light between a full moon and a last quarter moon.	
<b>7. Last Quarter Moon</b> The moon is three-quarters of its way around Earth. It is in its last quarter phase.	
<b>8. Waning Crescent Moon</b> A bit of the waning sunlit side of the moon shows on the left side.	

# 8 Identifying Moon Phases

Complete the diagram below.

## The Phases of the Moon



Moon Phases

First Quarter  
Full Moon  
Waning Gibbous  
Waxing Gibbous  
Last Quarter  
New Moon  
Waxing Crescent  
Waning Crescent