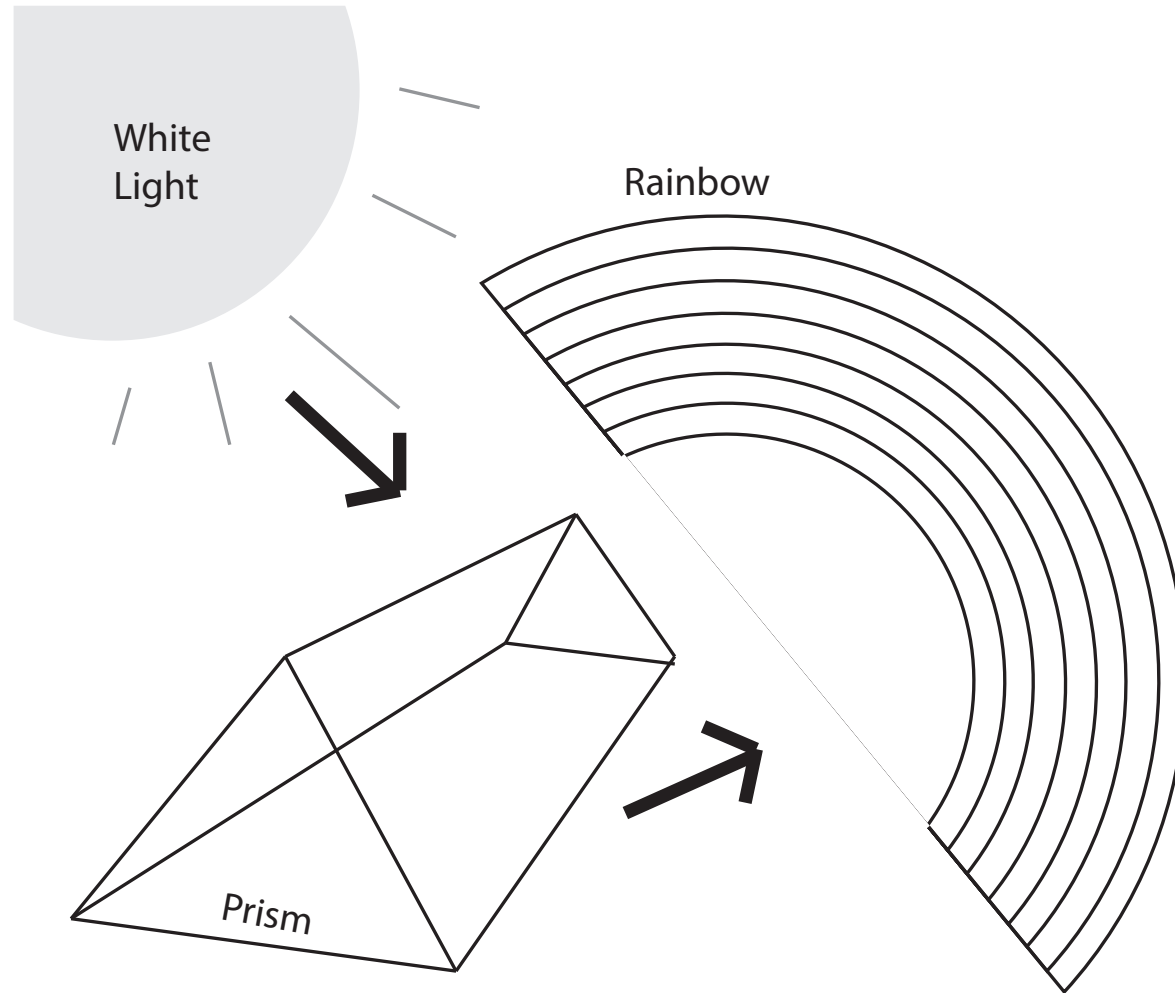


Arrange the colors of the light spectrum according to frequency.



COLOR							
Length Nanometers							
Frequency THertz							

Light & Energy Information Pieces

Red LE-12
Orange LE-12
Yellow LE-12
Green LE-12
Blue LE-12
Indigo LE-12
Violet LE-12

Red LE-12	621-750 nm LE-12	405-480 THz LE-12
Orange LE-12	589-620 nm LE-12	481-510 THz LE-12
Yellow LE-12	571-590 nm LE-12	511-525 THz LE-12
Green LE-12	496-570 nm LE-12	526-600 THz LE-12
Blue LE-12	451-495 nm LE-12	601-680 THz LE-12
Indigo LE-12	421-450 nm LE-12	681-715 THz LE-12
Violet LE-12	380-420 nm LE-12	716-785 THz LE-12

To Make Your **MatchCard** more durable:

1. Put the student MatchCard in a clear plastic page protector.
2. Laminate the information pieces. You can also make them sturdier by covering the paper with transparent tape prior to cutting the pieces out.
3. For more ideas on how to use the MatchCards, and for keeping a notebook for review, see the Instructor's Guide.
4. The Complete Light & Energy Unit Study provides the student worksheets, answer key, and teaching activities for this and 15 other objectives. See the website for more information.

Use just the large color words for 3-4th grade; color and size for 5th-6th; and color, size and frequency for 7th-8th.