

Name _____

Energy Song

Tune of "Friend Like Me" (Disney)

Words: Vickie Ahlstrom

Well, heat and light and sound, you see
 Are forms of en-er-gy.
 All travel in waves, but first let's see
 How fun Light can be.
 In the E-lec-tro-magnetic
 Spectrum, filled with waves
 Light waves are the only waves
 That our eyes can see.

Radio, microwave, infra red,
 Visible light, that's ROY G BIV,
 UV, X and Gamma Rays,
 (Just watch out for UV).

When light rays hit an object
 Some will be absorbed
 They can reflect, or refract,
 or even pass right through.
 Yes sir, opaque can reflect, or just block
 Transparent you can see
 Translucent's fuzzy, some go through
 And some come back to me.

And with a concave lens
 The light will just diverge.
 But convex, focus on "X,"
 Helps us all to see.
 Ya...dah...dah...oh, my,
 Ya...dah...dah...nah, nah
 Lah...de...dah, hah, hah,
 Cha...che...dah...de...dah..doo...dah

What makes Sound great
 Is when things vibrate
 And the pitch, in hertz, is frequency...
 It's high...or low...
 And volume, measur-ed in dB
 Is how much energy.

Heat can transfer in three ways
 Rad-i-ation, in space and air
 Like microwaves and marshmallows
 And sun warming the air.
 Con-duction is passed by touch
 From hot to cold, it's true.
 Like pancakes on the griddle
 Or that hot rock in your shoe.

Convection is through the air
 And water currents, too.
 The heat will rise, the cold will sink
 'Til they all mix, 'til they all mix,
 'Til they all mix, 'til they all mix,
 Until they...have the...same...en-er-gy.
 Hah, hah, hah....La...la...la...
 They're all just forms of energy, Hah!