ST1913A Compound Vs. Mixture

(Music)

Joan cartan-hansen, host: A COMPOUND IS A SUBSTANCE MADE UP OF DIFFERENT ELEMENTS.

BUT A MIXTURE HAPPENS WHEN SUBSTANCES ARE COMBINED BUT NOT CHEMICALLY BONDED TOGETHER.

MIXTURES ARE IMPORTANT.

THE AIR WE BREATH IS A MIXTURE WITH JUST THE RIGHT AMOUNTS OF NITROGEN, OXYGEN AND OTHER GASES.

MIXTURES CAN BE DESCRIBED IN A COUPLE OF WAYS.

FOR EXAMPLE, CHICKEN NOODLE SOUP IS A HETEROGENEOUS MIXTURE.

IN A HETEROGENEOUS MIXTURE, YOU CAN SEE THE DIFFERENT COMPONENTS, IN THIS CASE--THE NOODLES AND THE BROTH.

KOOL-AID IS A HOMOGENOUS MIXTURE.

A HOMOGENOUS MIXTURE IS ONE WHERE EVERY PART IS JUST LIKE EVERY OTHER PART.

MIXTURES, UNLIKE COMPOUNDS, CAN BE SEPARATED BACK INTO THEIR ORIGINAL INGREDIENTS BY PHYSICAL MEANS LIKE FILTRATION.

SO, A MIXTURE IS DIFFERENT THAN A COMPOUND.

FOR MORE INFORMATION ABOUT COMPOUNDS AND OTHER SCIENTIFIC TOPICS FOR KIDS, CHECK OUT THE SCIENCE TREK WEBSITE.

YOU’LL FIND IT AT IDAHOPTV.ORG/SCIENCE TREK