BARBARA MICHAE ROCK CYCLE (6-10 YEAR OLDS) IMM C-OBJECTIVE'S GEO-WORKSHOP STUDENTS WILL BE ABLE TO FDENTIFY THE PROCESSES THE FARTH USES TO RECYCLE OLDER ROCKS INTO NEW PLOCKS, THE THREE MAJOR ROCK GROOPS WELL BE EXAMINED TO SEE HOW THEY ARE RELATED TO EACH OTHER THROUGH THE USE OF ACTIVITES IN THE MUSEUM AND ROCK SAMPLING ON THE HILLSIDE OUTSIDE THE MUSEUM. T, EROSTON ACTIVITY DO ROCKS LAST FOREVER? II SEDIMENTARY ROCKS ACTIVITY 1: SED INEUTARY LAYERING ACTIVITY 2: ROCK COLLECTION OUTS FIDE ACTEVITY 3: MICROSCOPE, GRAIN STZE + SHAPE TI FENEOUS ROCKS ACTIVITY: MICROSCOPE! COMPOSITION & TEXTURE IV METAMORHIC ROCKS ACTIUTTY 12 META MOVERHOSE SOFT CANDY UNDER HEAT + PRESSORE ACTIVITY 2 3 MICROSCOPE : FOLTATED VS. NOW-FOLTATED V ROCK CYCLE DIALRAM ACTIVITY 13 SCAVANCER HUNT IN MUSEUM FOR ROCKS ON DISPLAY ACTIVITY 2: ROCK BINGO ACTIVITY 3 : A REW MILLEON YEARS IN THE TIFE OF A ROCK

Do Rocks Last Forever?

Huge boulders and towering cliffs look as though they have been the same forever, but all rocks change because of *erosion*. Erosion is the gradual weathering and breaking up of rock into smaller and smaller pieces. Over millions of years, a granite block you see today will be broken into tiny pieces, or *particles*, by the action of wind, water, and ice.

Here's how rocks change:

• Natural sandblasting occurs as the wind blows rock particles against desert cliffs.

- Temperature changes make rocks expand, contract, and shatter.
- Chemicals, from the weak acid in rainwater to air pollution, dissolve rock.
- Swiftly flowing streams wear down rocks and pebbles as they tumble together.
- Even plant roots can split a rock by growing into cracks in its surface.

See how this boulder is "broken up" as you circle the hidden words. (Some words are on the diagonal.)

