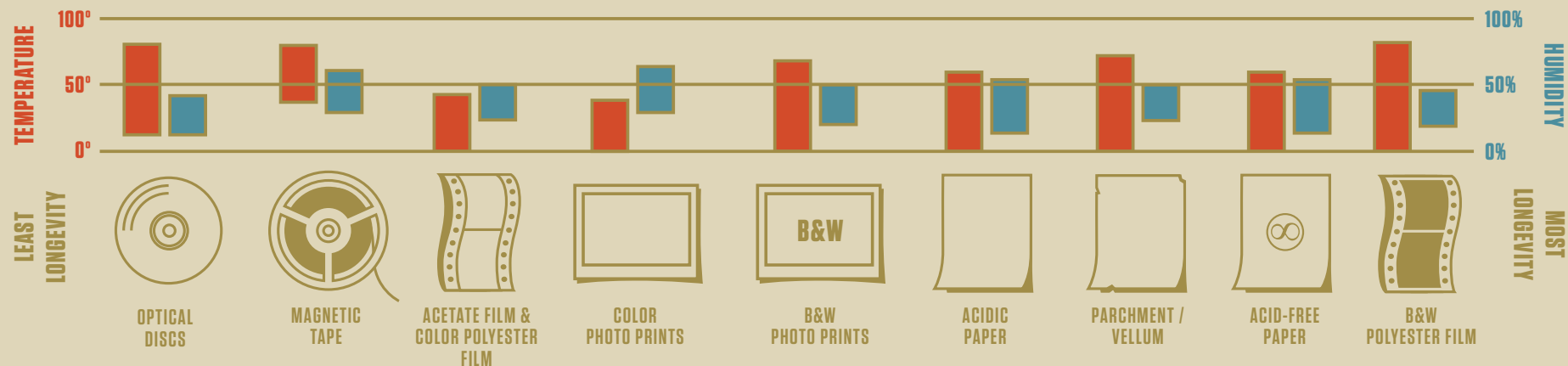


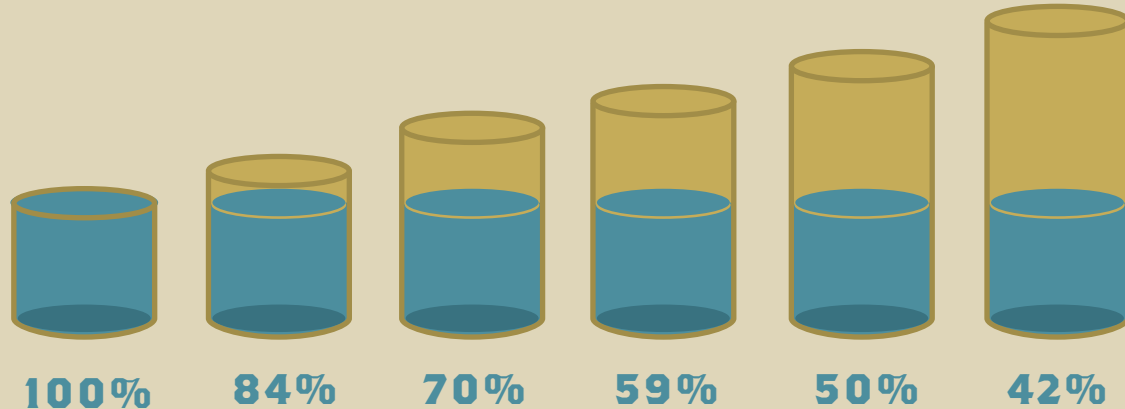
IDEAL CONDITION RANGES BY MATERIAL TYPE



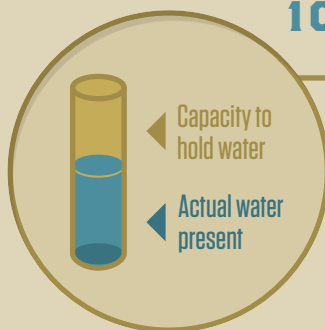
RELATIVE HUMIDITY

AIR TEMPERATURE

55° 60° 65° 70° 75° 80°



Warmer air can hold more water.

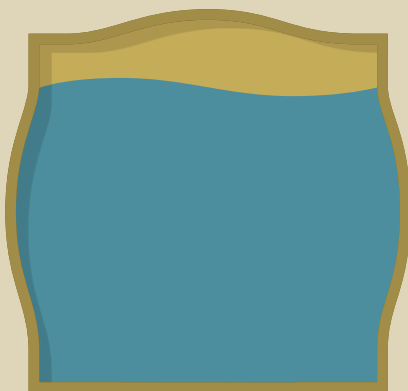


RELATIVE HUMIDITY

Relative humidity: amount of moisture air can hold

GRAPHIC ADAPTED AND USED WITH PERMISSION FROM THE IMAGE PERMANENCE INSTITUTE, ROCHESTER, NY

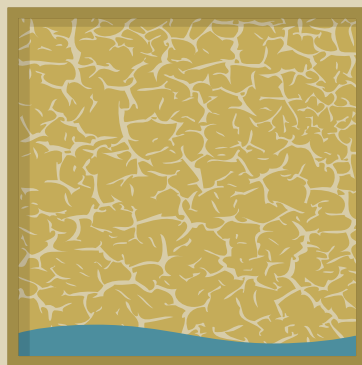
EFFECTS OF TEMPERATURE AND RELATIVE HUMIDITY



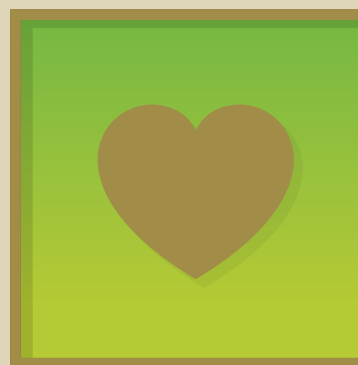
High relative humidity
Swelling



High temperature
Increased rate of deterioration

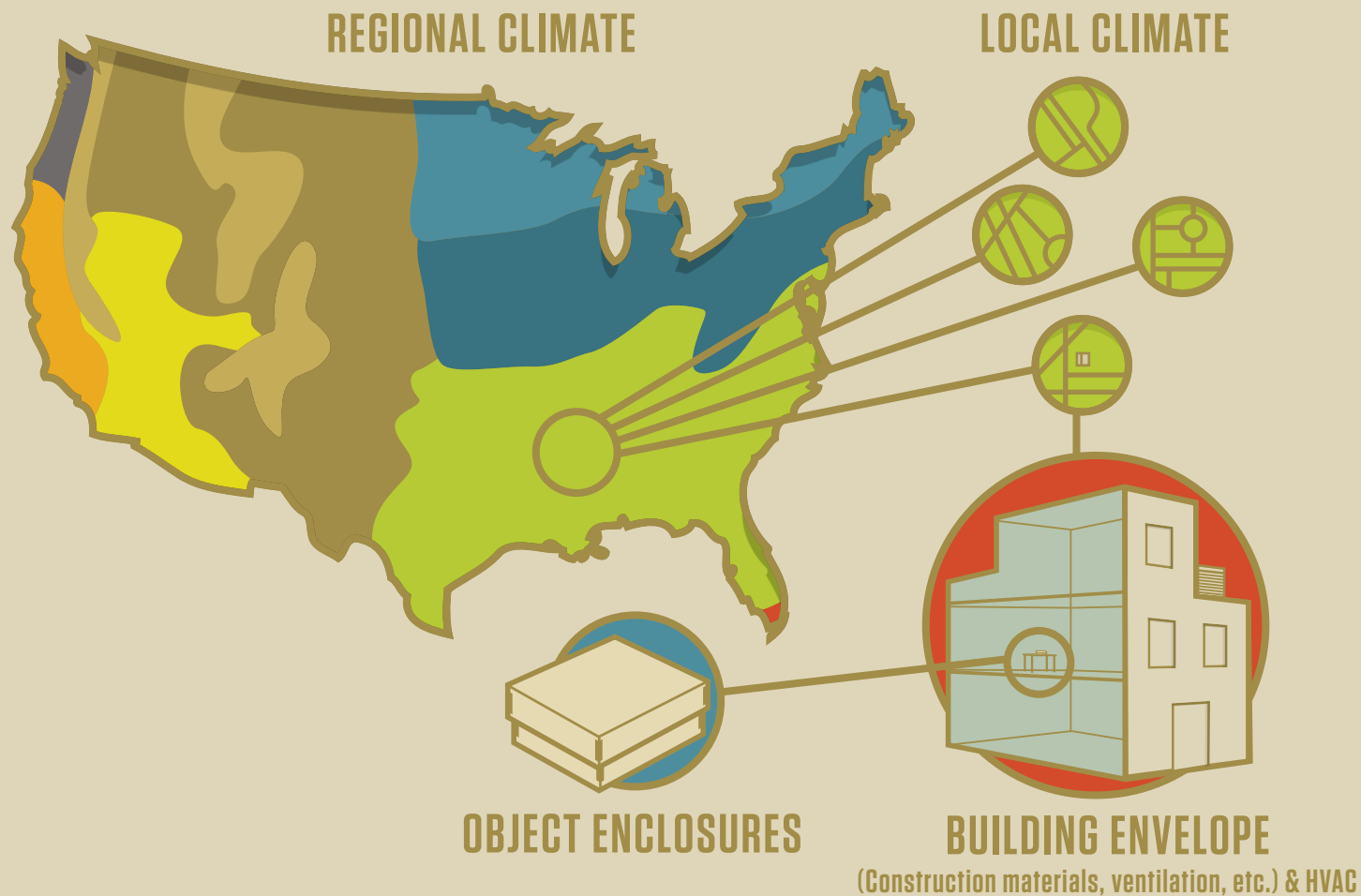


Low relative humidity
Dessication, cracking



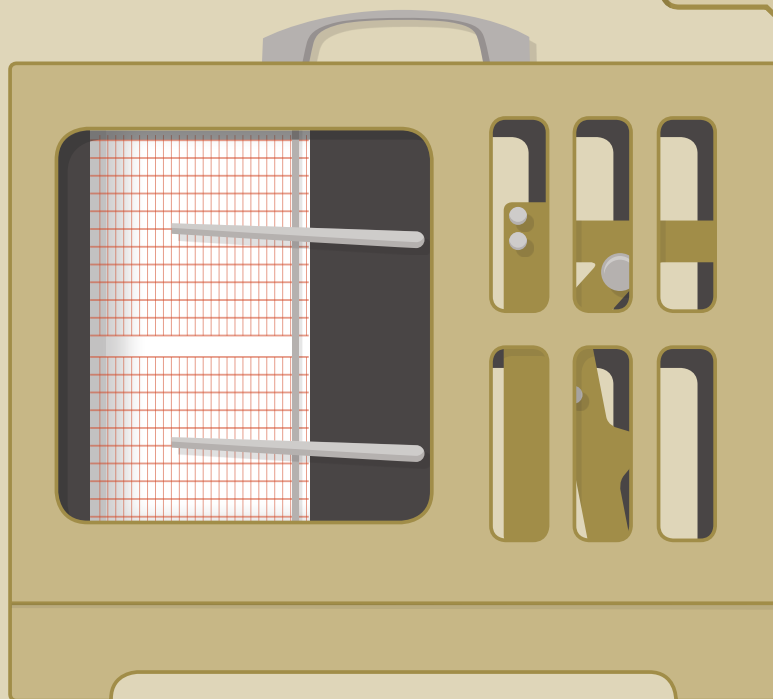
Lower temperature +
lower relative humidity
Longer life

WHAT AFFECTS THE COLLECTIONS ENVIRONMENT?



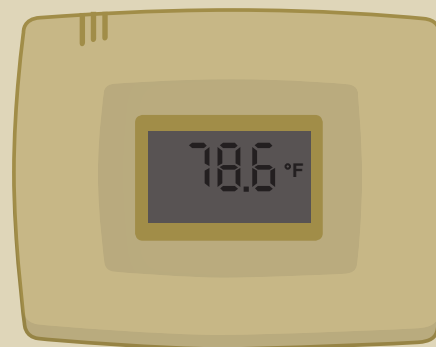
HOW DO I KNOW WHAT MY ENVIRONMENT IS DOING?

HYGROTHERMOGRAPH

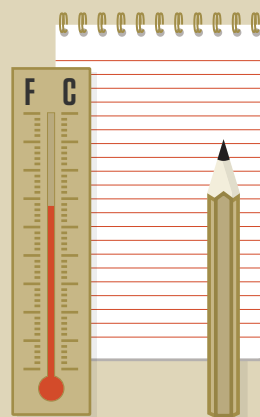


Analyze data

DATALOGGER



MANUAL RECORDING



Monitor and record temperature and relative humidity

ENVIRONMENTAL EFFECTS ON COLLECTION LONGEVITY

