

Establishing Your Priorities

THE RULE OF 3'S

Instructor Background

- Member of Cal-ESAR for 6 years
- Director Outdoor Skills training & Board member
- NASAR Certified Section Chief
- Medical training Wilderness First Responder
- Ham Radio cert
- 200+ incident response hours in Northern California countries and Yosemite National Park
- Graduate of National Outdoor Leadership
 School (NOLS)

California Explorer Search & Rescue

- Active as Explorer Post since 1972
- Cal-OES Mutual Aid resource
- Search & Rescue Training
- Field and Management resources

Cal-ESAR Mission

- Provide State wide SAR Resource
- Provide training to other SAR Organizations
- Participate in public and community events
- Preventive SAR (PSAR) activities

Types of PSAR Activities

Training

- Emergency preparedness Training
- CPR and First Aid
- Wilderness Navigation
- Yosemite stand by







Everybody has an opinion







It is the basis of an entire industry...

























What is really important?





NOT THE FIRST

- What is important?
- What are the basic elements of survival?

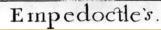




BACK TO THE GREEKS

Empedocles in the 5th Century BC came up with idea of the "the four roots of all things"

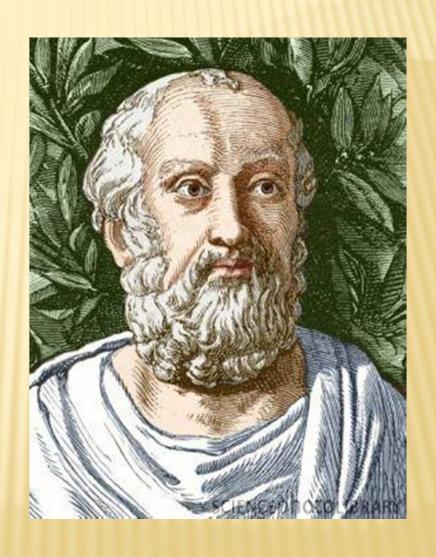






BACK TO THE GREEKS

Plato called them
Elements





THE FOUR ELEMENTS



Earth



Air



Fire



Water





A USEFUL RE-ORDERING BY DENSITY

This ordering lets us tie the Elements into that other significant, all-important number





THE RULE OF 3S



- 3 Minutes without Air
- 3 Hours without Fire (Heat)
- 3 Days without Water
- 3 Weeks without Earth (Food)













AIR: 3 MINUTE MARGIN

Only takes 3 minutes to die from lack of Air







AIR-RELATED QUESTIONS

Can you drive across that flooded road?







AIR-RELATED QUESTIONS

Can you really swim that creek?







AIR-RELATED QUESTIONS

Avalanche
Is this slope
safe to cross?









If you make the wrong decision, can it be undone in 3 minutes or less?







In 3 *hours*, you can *die* from too much (or too little) Heat

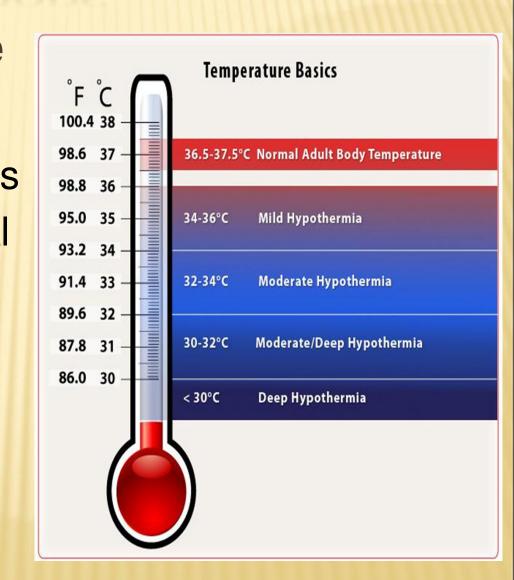






Hypothermia: Exposure

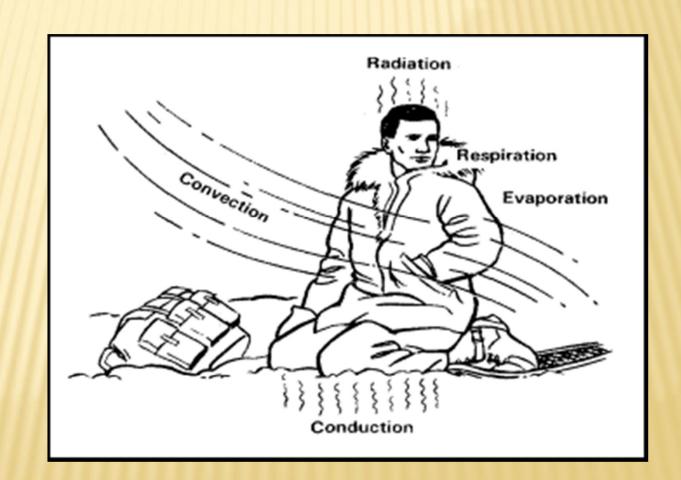
Hypothermia is where the body's core temperature drops below that required for normal metabolism and body functions. (This is generally considered to be less than 95.0 °F.)







Ways you lose heat











Hyperthermia: Heat Stroke

Hyperthermia is elevated body temperature due to failed thermoregulation that occurs when a body produces or absorbs more heat than it dissipates. Extreme temperature elevation then becomes a medical emergency requiring immediate treatment to prevent disability or death.



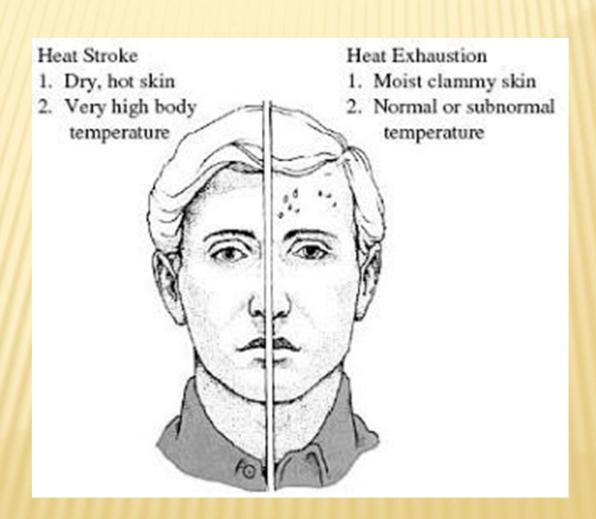








Signs and Symptoms





FIRE (HEAT)-RELATED LIES THAT KILL



"It's only a day hike, I don't need a jacket or matches or shelter"







Good News: Shelter can save you!

Trash bag poncho







Do you need to find water NOW?







Do you really need to find water now?

➤ Lack of water can trigger heat emergencies

Drink it if you have it







Include water in your home emergency preparedness kit







Emergency Water

- Expect your home water supply to fail
 - Unavailable
 - Contaminated









Emergency Water

- ➤ Plan for at least 72 hours
- ➤ At *least* 1 gallon (4 liters) per person per day







Emergency Water

- Easy solution: bottled water
- Always have a full crate or two on hand
- Save bottles for later purification for needspast 72 hours





SODIS (Solar Disinfection)



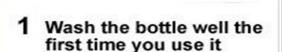




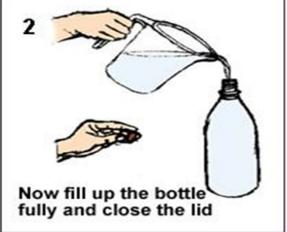
WATER: 3 DAYS OF THIRST



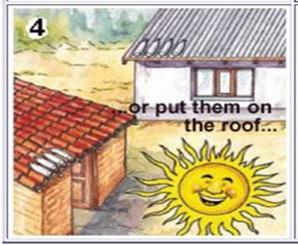
SODIS (Solar Disinfection)













Expose the bottle to the sun from morning until evening for at least six hours







3 Weeks of Fasting or

The "Starvation Diet Plan"







Survival time depends on many factors

Time of year

(Temperature)







Survival time depends on many factors

Personal body "stores"

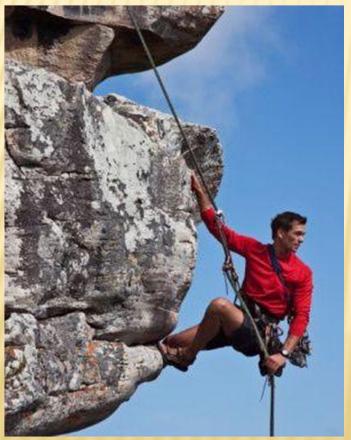






Survival time depends on many factors

Activity Level









Don't eat it unless you know it







DECISIONS



- Know your priorities and know what to do now
- What is the plan if something goes wrong?
- What is the window of safety?



WHAT'S IMPORTANT ON EVERY TRIP



- Water
- Shelter/Matches
- Insight
- Common Sense





THE FIFTH ELEMENT



The Fifth Element, Quintessence (Quint=fifth; Essence=element)

- Aether
- Void
- Space
- Spirit





THE 3 SECOND RULE



Without the right Spirit (Positive Mental Attitude) You are a Goner







THE 3 SECOND RULE



Hunter missing for 18 days in California forest found alive after surviving off lizards, squirrels and berries.



Gene Penaflor





WHAT DO YOU NEED TO SURVIVE?



Spirit



Air



Fire



Water



Earth





WHAT DO YOU NEED TO SURVIVE?



Stop Think Observe Plan





Questions?













