

Maintaining and Sharpening Garden Tools

A sharp, well-maintained garden tool makes work easier and safer.
Let's learn how to properly and safely keep up your tools for years
of use.

Scott A. J. Johnson

Director, Low Technology Institute

scott@lowtechinstitute.org

Todd Fleming

@foxwedgewoodworking

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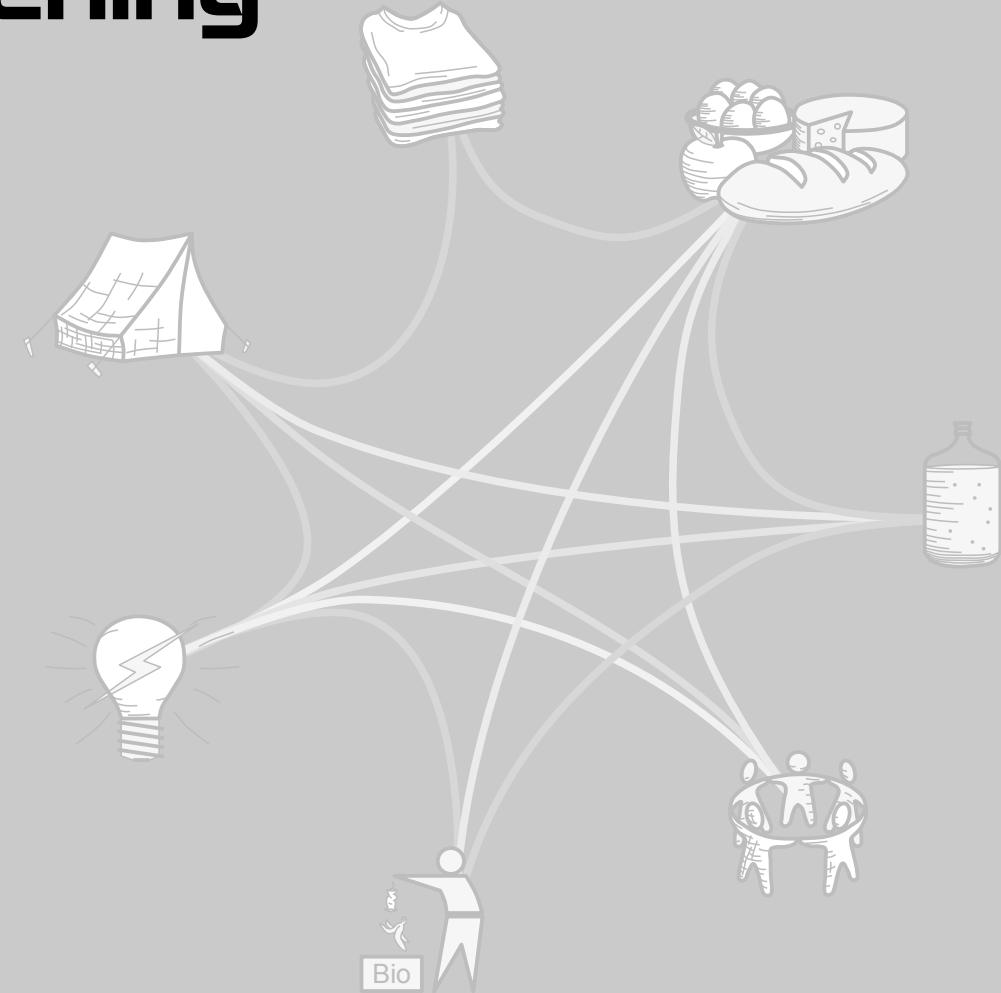
Today's Topics

How to Sharpen

Tool Maintenance

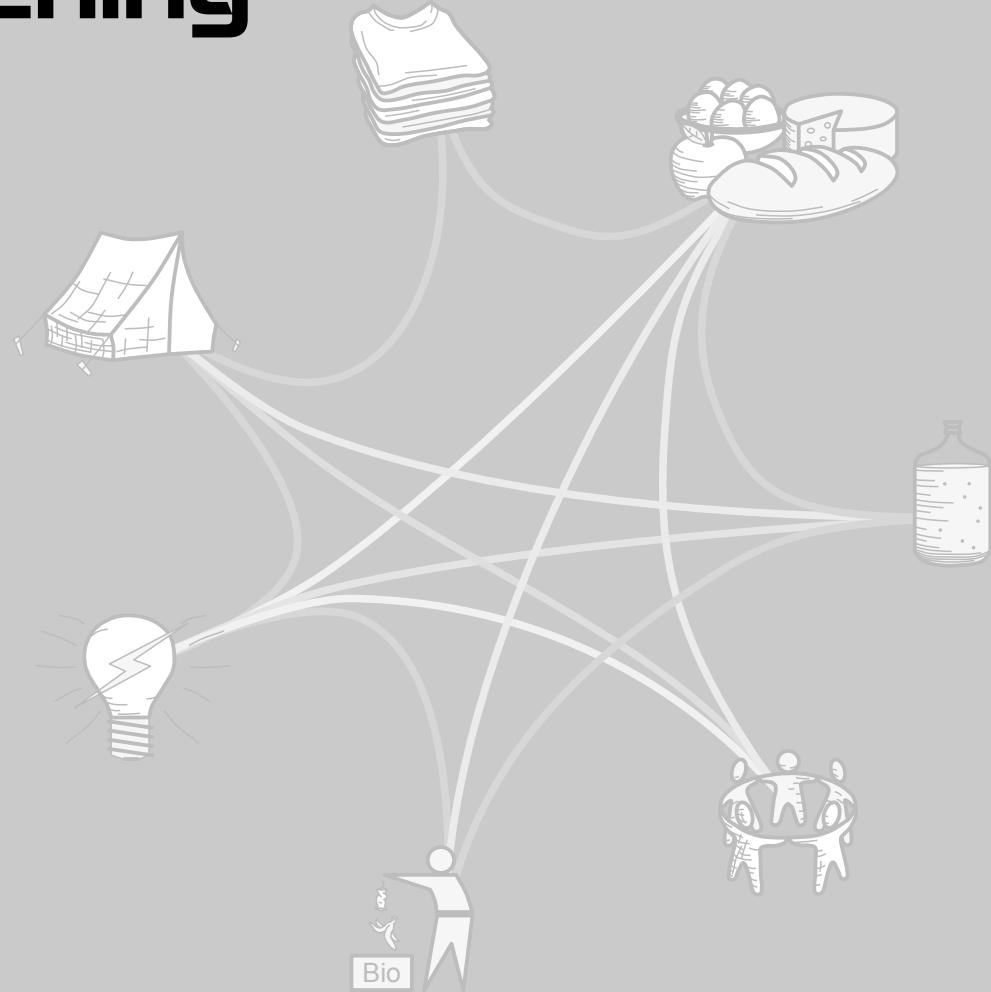
Sharpening

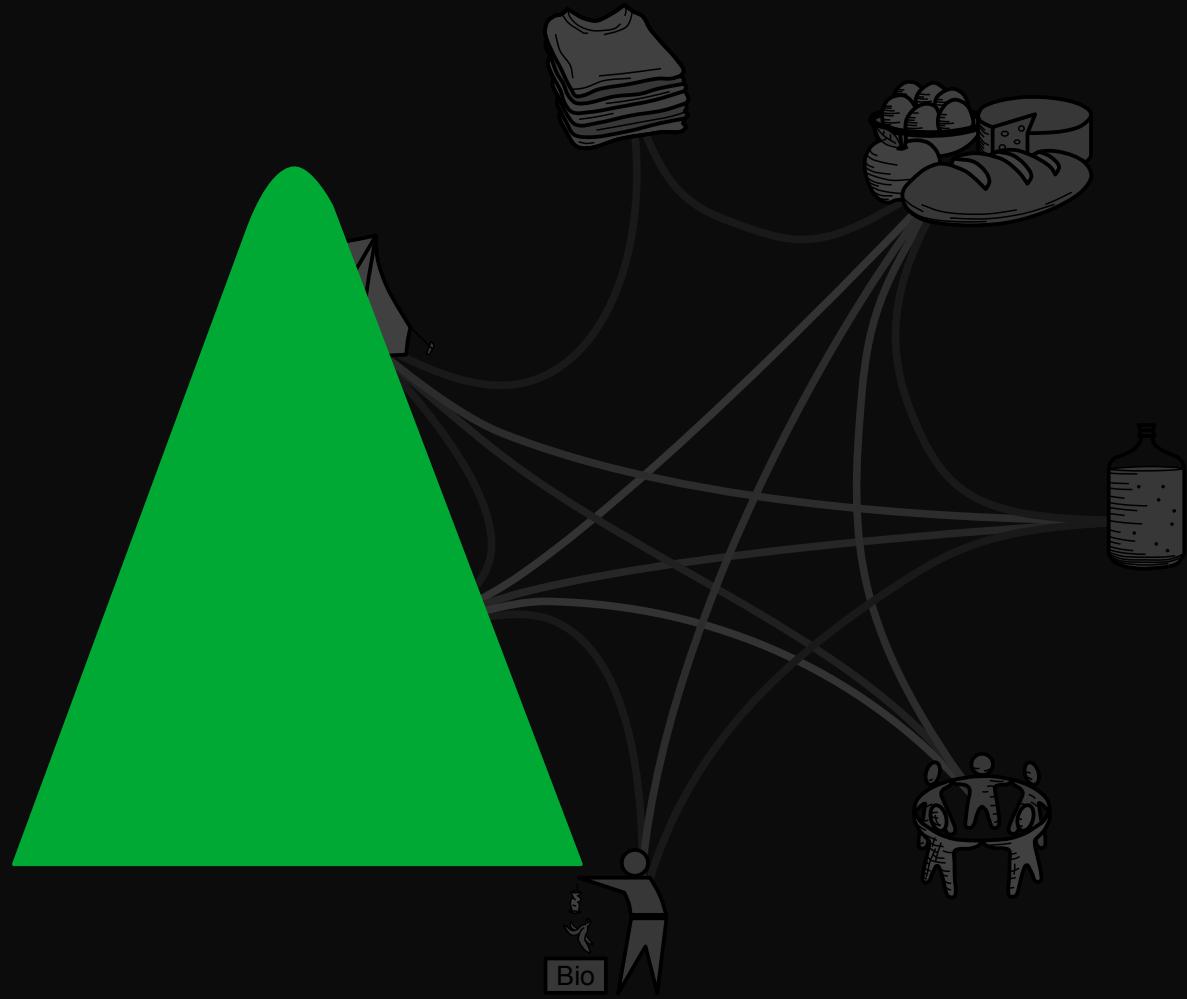
- Benefits

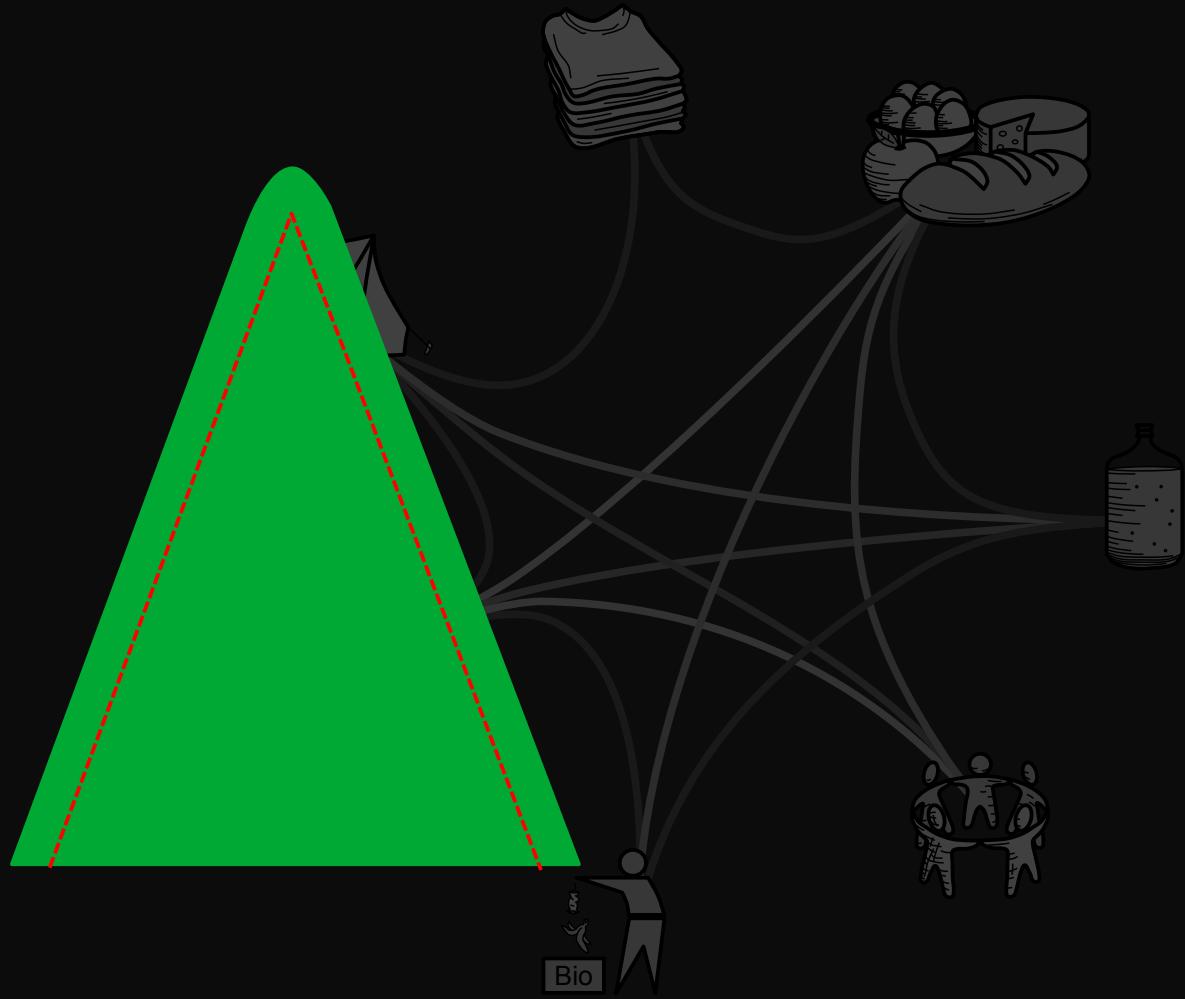


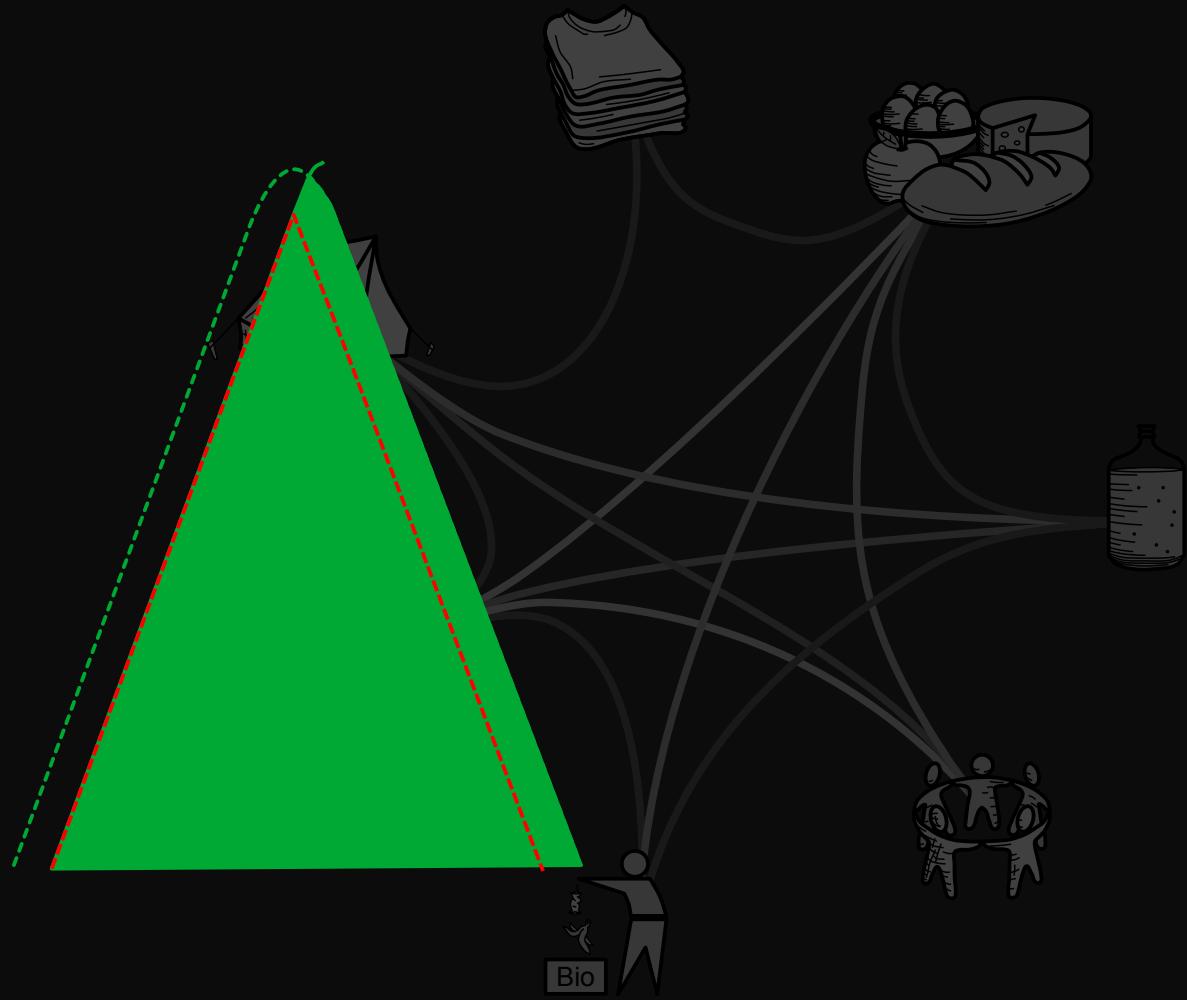
Sharpening

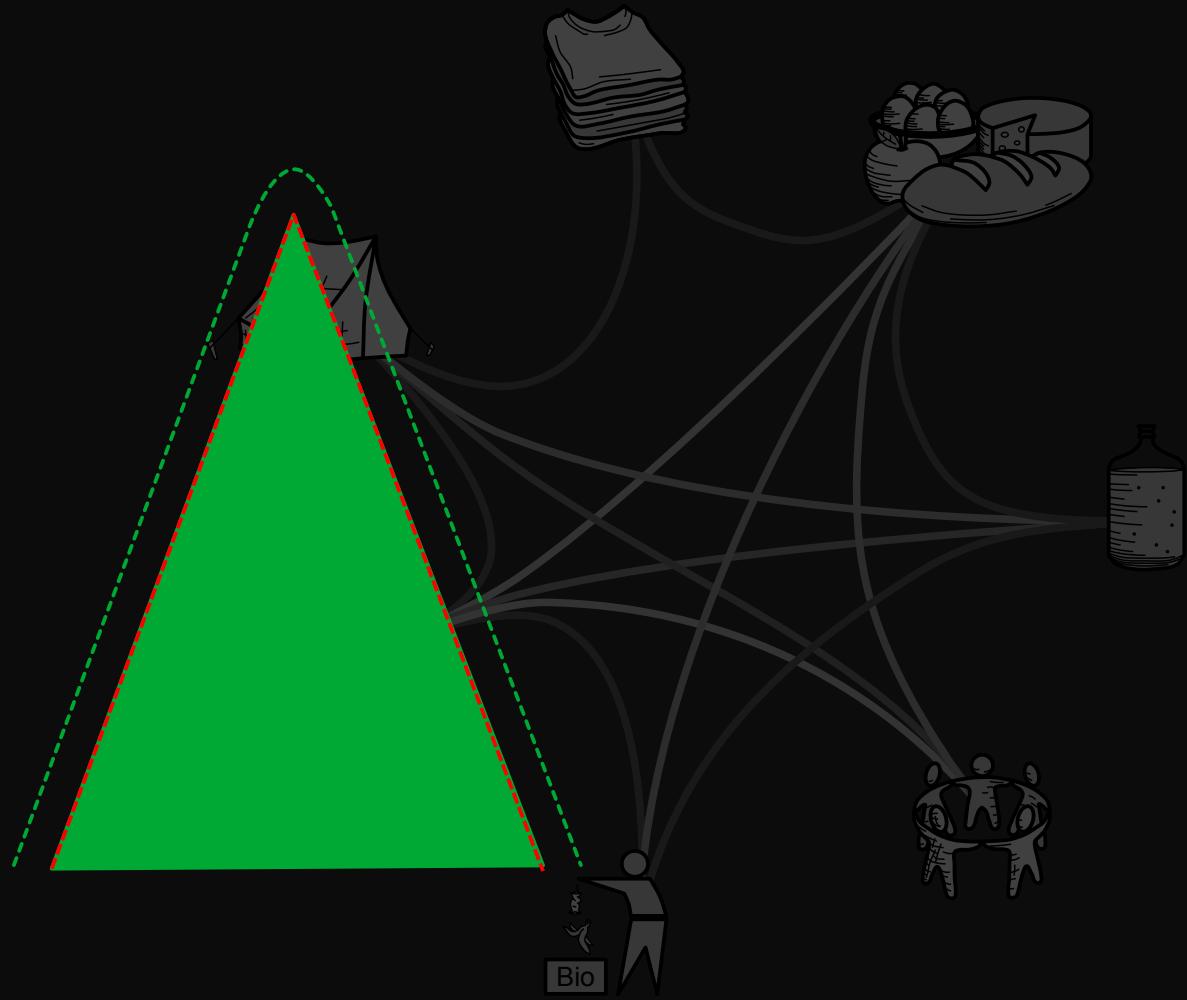
- Benefits
- What is Sharpening?











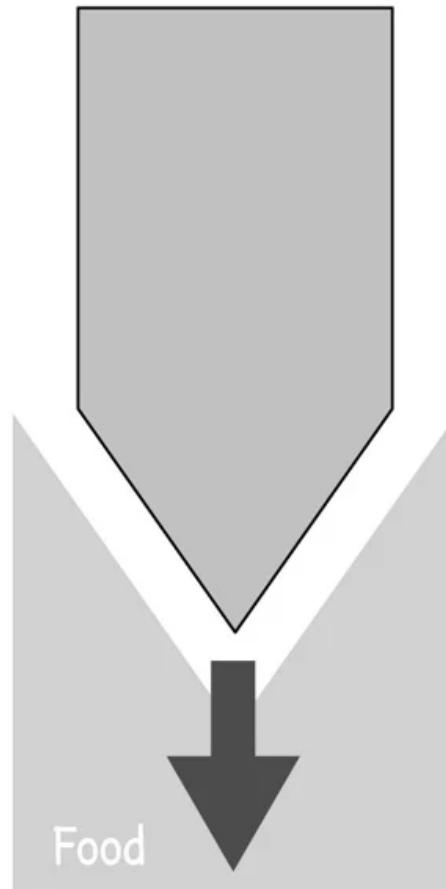
DOUBLE BEVEL

Suitable for

Cutting

Chopping

Blade moves in a vertical direction when force is applied



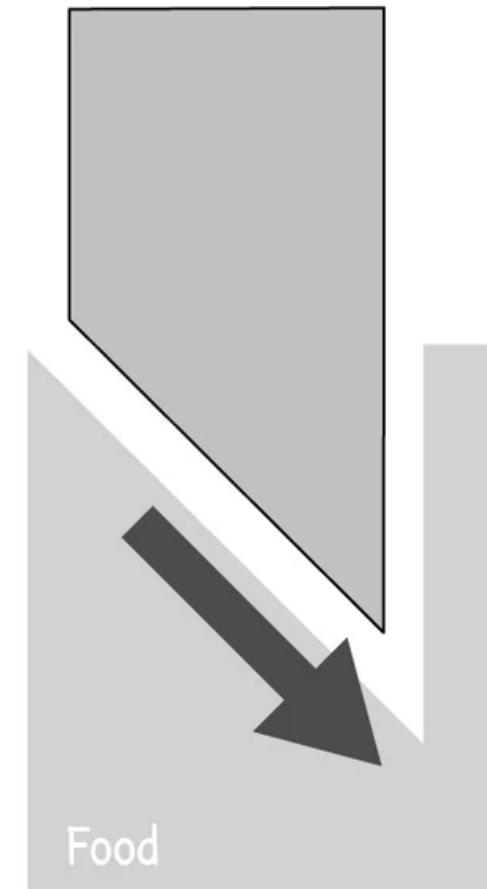
SINGLE BEVEL

Suitable for

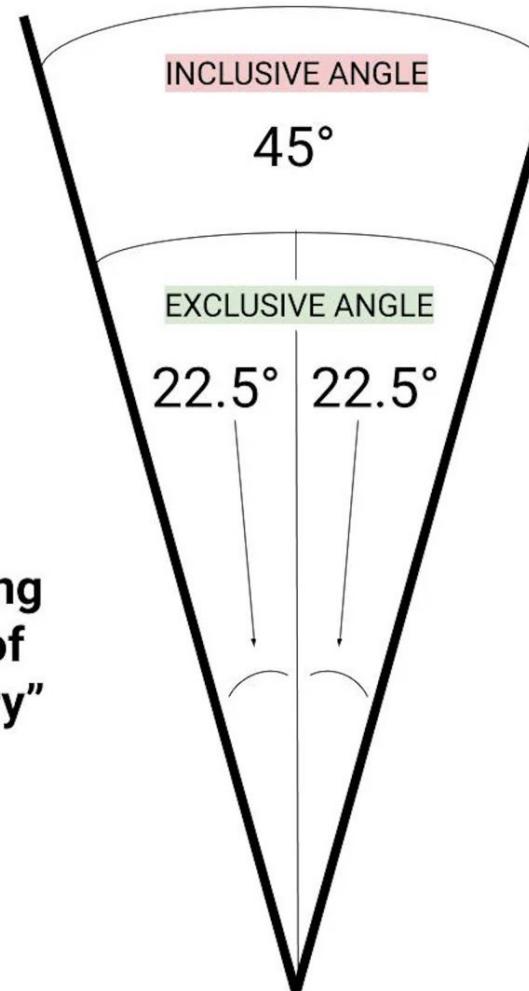
Shaving

Peeling

Blade will move towards the direction of the unbeveled side when force is applied

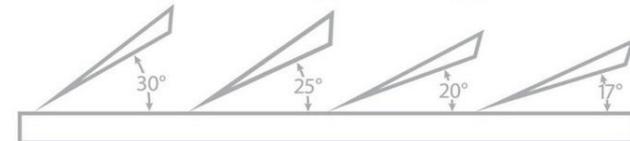


The Inclusive Angle
measures the angle
using the outer planes,
“sides”, of the blade



The Exclusive Angle
measures the angle using
one outer plane, side, of
the blade and “Imaginary”
center line.

Sharpening Angles



30° Recommended for
heavy duty use.

25° Ideal for hunting
and outdoor knives.

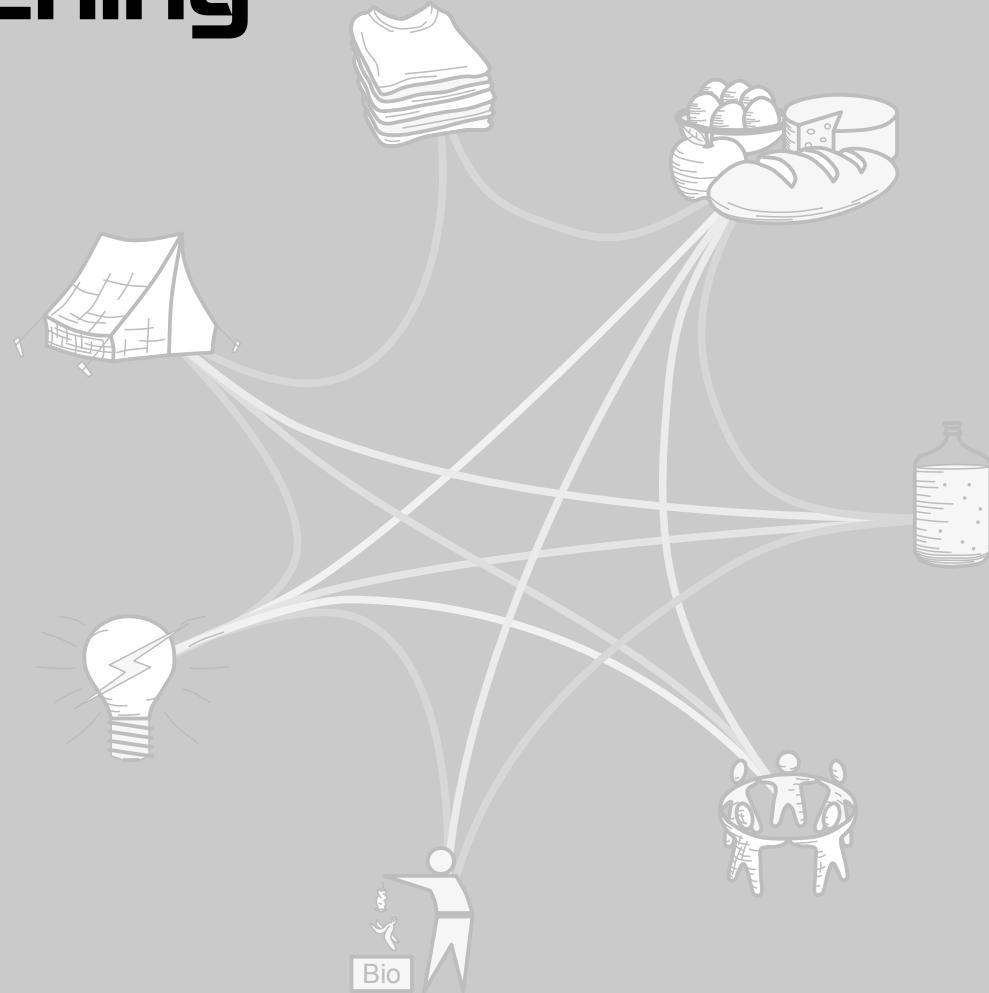
20° Provides an excellent
edge for kitchen cutlery.

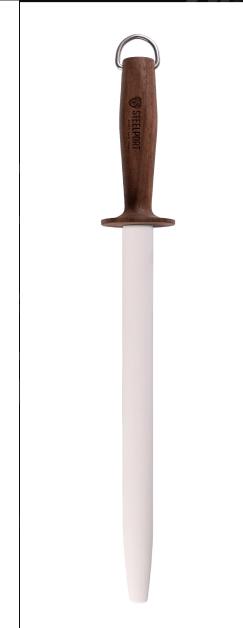
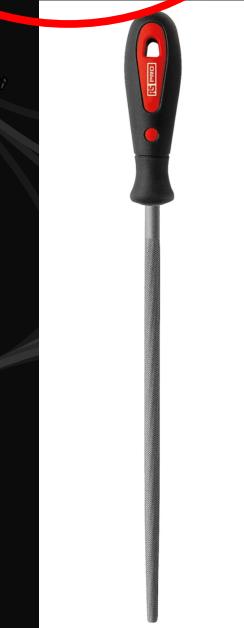
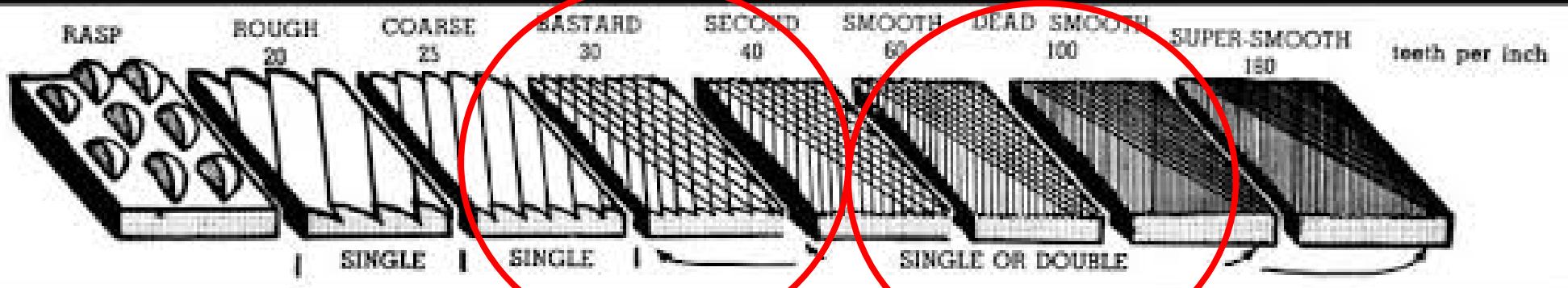
17° A serve angle recommended
for fillet knives, razor blades.

	Single Bevel	Double Bevel
Shallow Angle (20-25°) Slicing, Cutting	Bypass Pruner Hedge Shears	Machete Billhook Knife
Moderate Angle (30°) Chopping	Bypass Loppers Edger Trowel Scuffle Hoe Post-Hole Digger Axe/Hatchet	Hoe Shovel Mattock Scissors

Sharpening

- Benefits
- What is Sharpening?
- Basic Supplies





Sharpening

- Benefits
- What is Sharpening?
- Basic Supplies
- Fundamentals and Basic Steps



Basic Steps

- Clean tool, ready supplies, don PPE (eyes, hands).
- Identify bevels, angle, and intensity of resharpening needed.
- Work from coarse to fine.
- Start with coarse and/or fine file, if needed.
- Finish with coarse, then fine water stone.
- Apply oil.



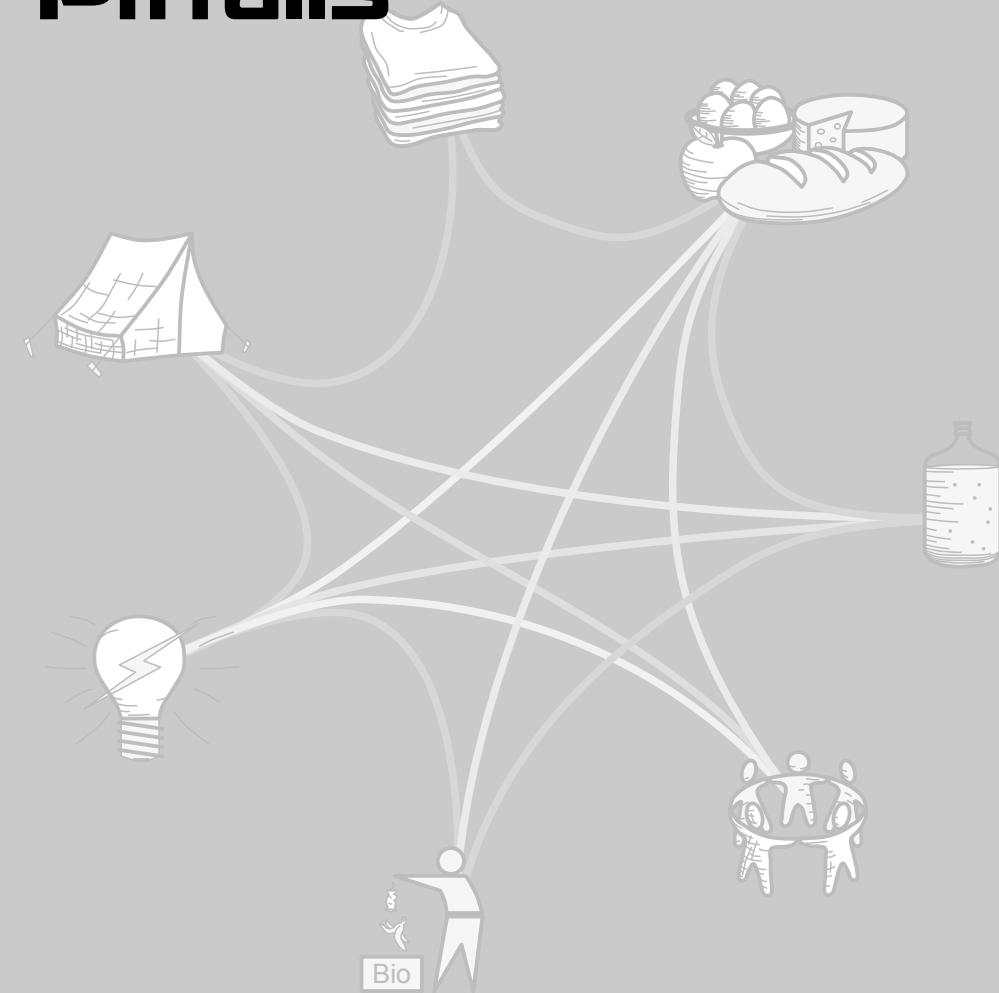
Sharpening

- Benefits
- What is Sharpening?
- Basic Supplies
- Fundamentals and Basic Steps
- Common Pitfalls



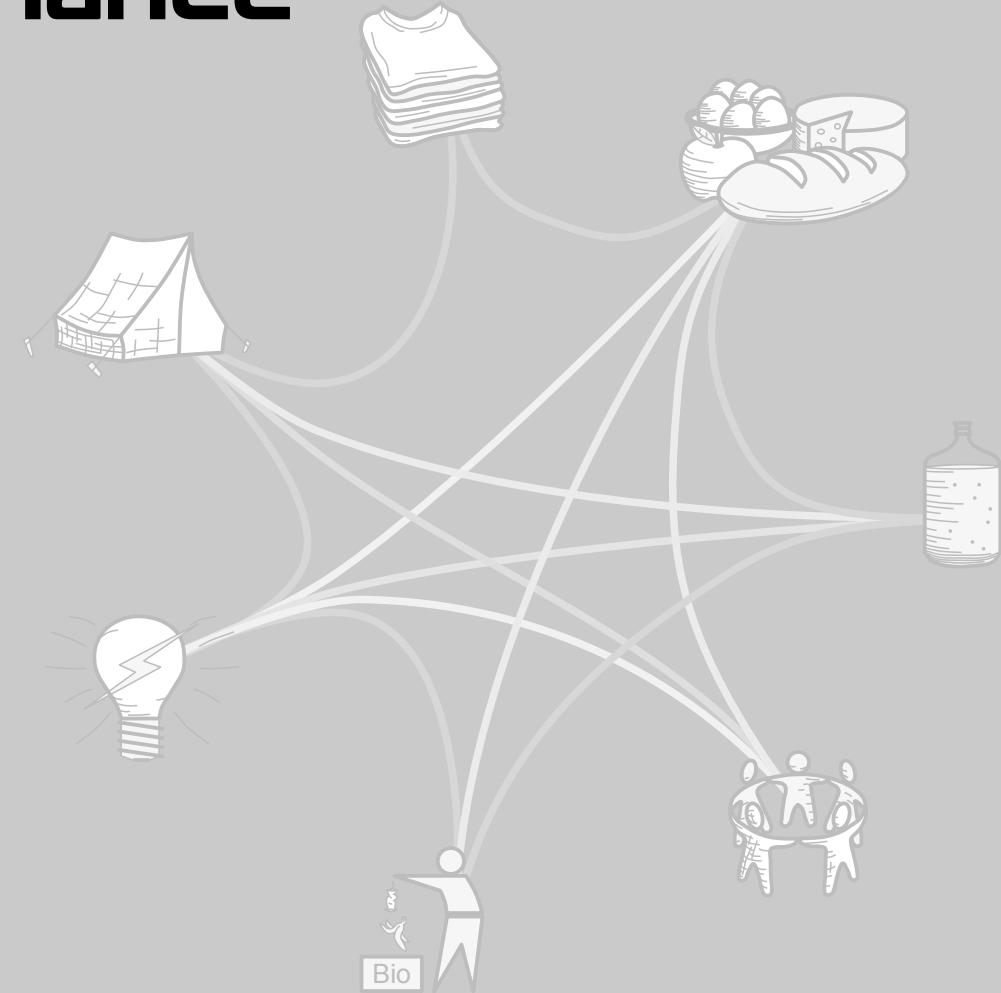
Common Pitfalls

- Overusing bench grinder
- Wrong angle or bevel
- Over sharpening
- Unsafe practices



Maintenance

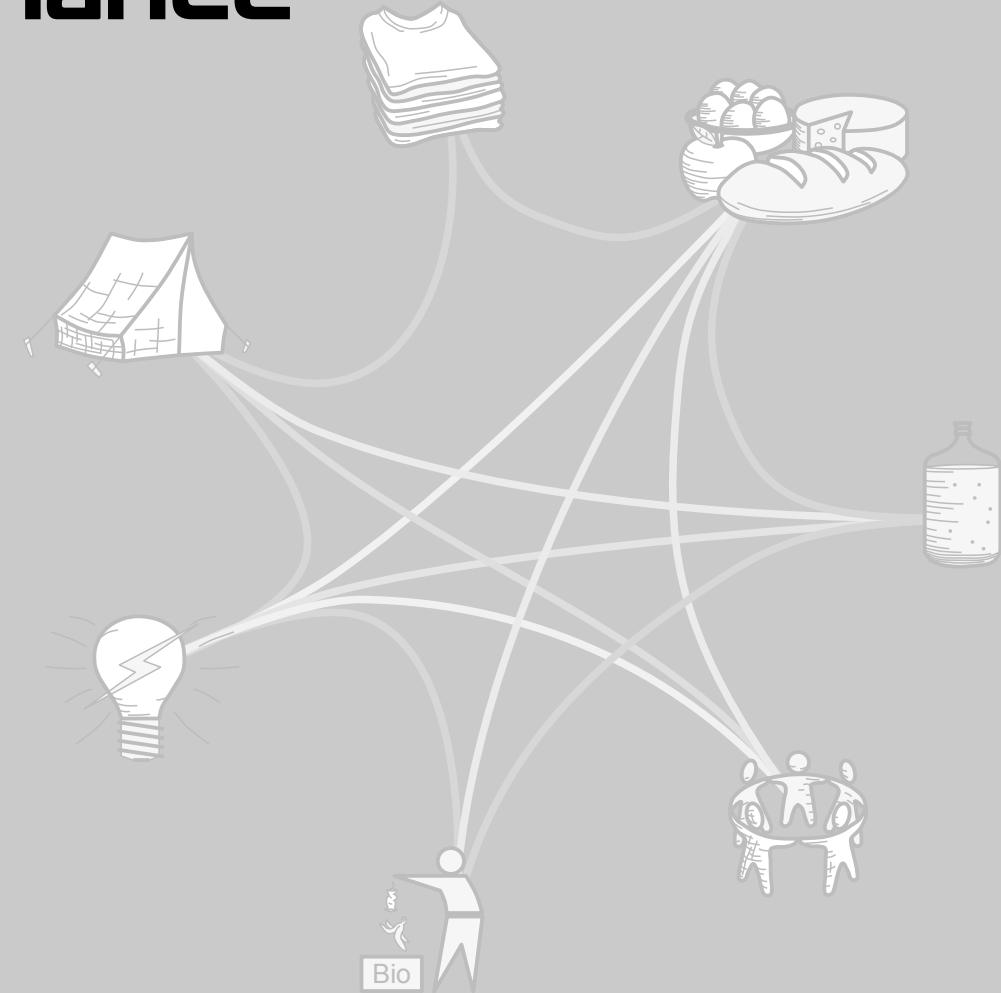
- Basic Supplies





Maintenance

- Basic Supplies
- Mechanical

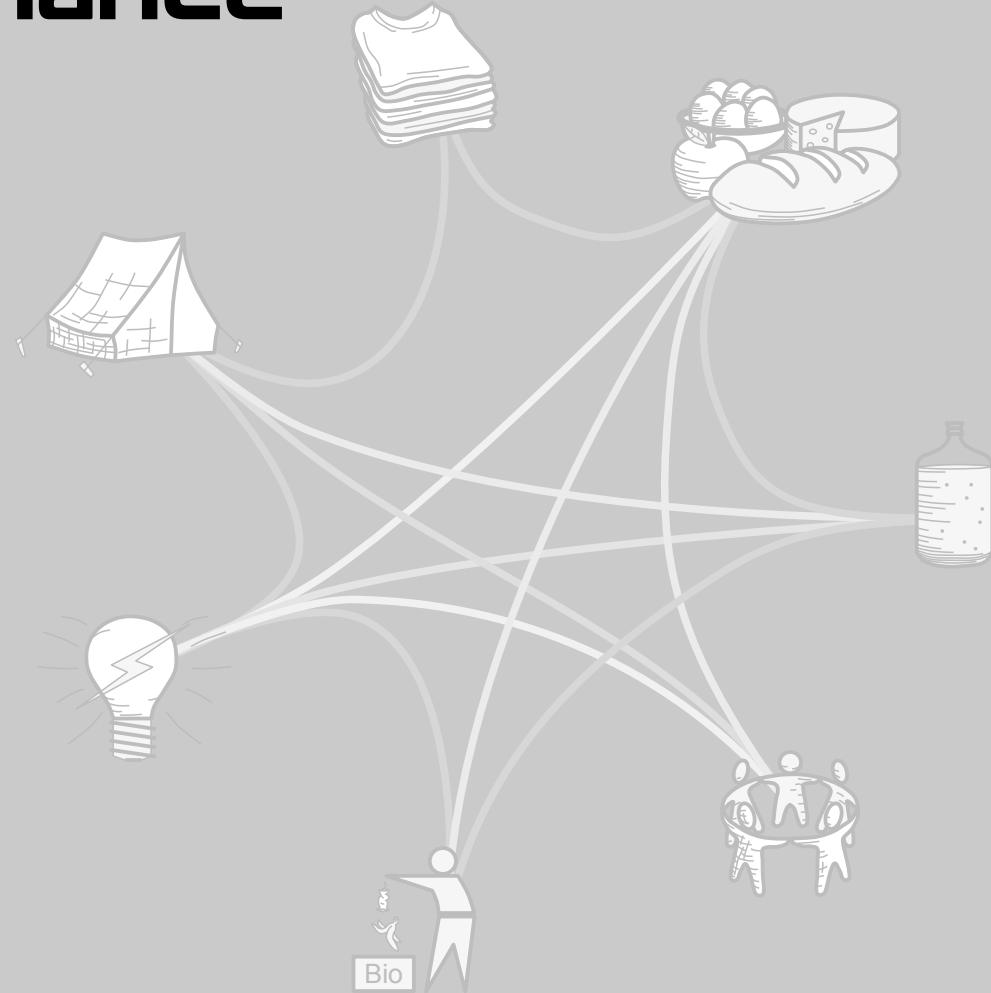




Bio

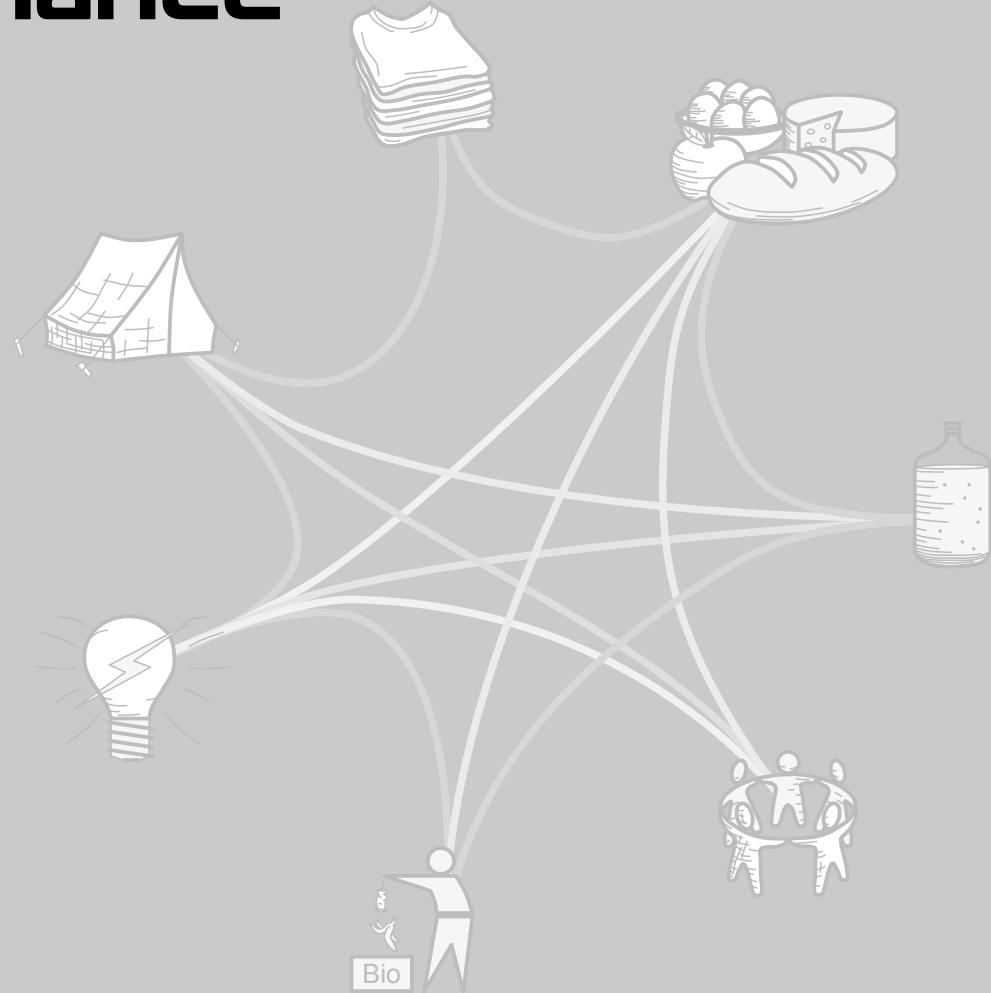
Maintenance

- Basic Supplies
- Mechanical
- Rust & Coatings



Maintenance

- Basic Supplies
- Mechanical
- Rust & Coatings
- Use and Storage





HOW TO MAKE A RAG-IN-A-CAN OILER

Paul Sellers.



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