

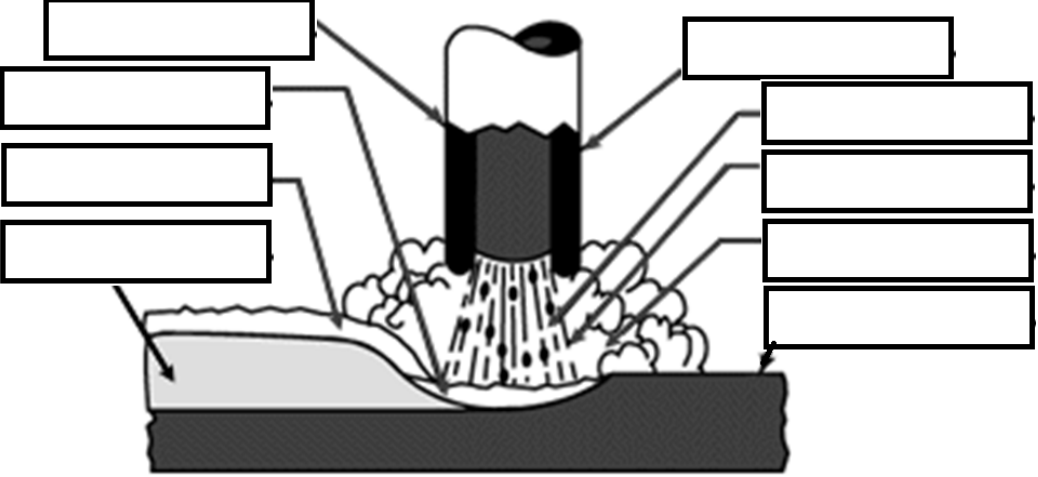


STICK WELDING

The Basics

NAME: _____

Complete the following table neatly as you follow the PowerPoint:

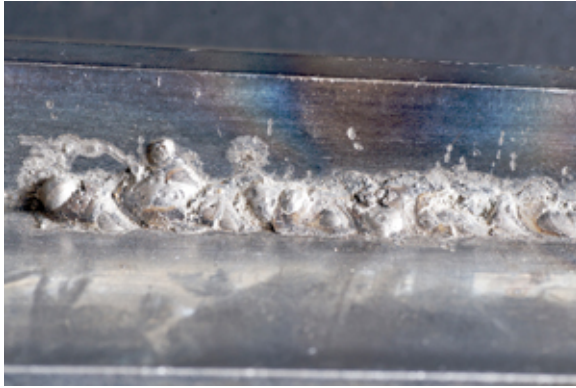
NAME	PURPOSE, TIPS, SAFETY, & THINGS TO LOOK OUT FOR
STICK WELDING	<ul style="list-style-type: none"> • One of the _____ • One of the _____ • AKA: _____ • Can weld: _____
STICK WELDING	<ul style="list-style-type: none"> • Very _____ • Can weld in _____ / _____ positions • Great outdoors - not bothered by _____ • _____ of impurities in the metal
STICK WELDING	<ul style="list-style-type: none"> • Electric _____ melts the base metal • Consumable _____ melts by the arc, adding _____ to the weld • Weld bead is protected by a _____ <ul style="list-style-type: none"> ○ Comes from the _____ melting off during the welding process
VIDEO: STICK WELDING	

<p>WHAT'S IT ALL ABOUT?</p>	
<p>WHAT'S IT ALL ABOUT?</p>	<ul style="list-style-type: none"> • The rod coating: <ul style="list-style-type: none"> ○ _____ the electric arc ○ _____ off ○ _____ the metal ○ _____ the molten puddle from Oxygen (O₂ makes the weld _____ and _____) 
<p>WHAT'S IT ALL ABOUT?</p>	<ul style="list-style-type: none"> • This coating turns as _____ and as _____ as glass, and must be chipped off (wear _____) 
<p>SAFETY</p>	<ul style="list-style-type: none"> • No _____ <ul style="list-style-type: none"> ○ Lots of stories of explosion ○ Lots of stories that this is false ○ Let's play it safe, and not become "that guy"

SAFETY	<ul style="list-style-type: none"> • Wear a _____ • Wear Leather _____, _____, _____ <ul style="list-style-type: none"> ○ Keep the gloves _____ and free from _____ ○ _____ minutes of welding exposure = _____ hours of sun exposure
SAFETY	<ul style="list-style-type: none"> • Well _____ area is a MUST! • Welding fumes have been known to cause lots of nasty things. • Which one scares you the most? _____
SETTINGS	<ul style="list-style-type: none"> • CURRENT SETTINGS <ul style="list-style-type: none"> ○ _____ metal = _____ rod = _____ current <ul style="list-style-type: none"> ▪ 0.125" needs _____ amps ▪ 0.250" needs _____ amps ▪ 0.375" needs _____ amps
TECHNIQUE	<ul style="list-style-type: none"> • Stay off the metal the _____ thickness • Hold about _____ ° off vertical • _____ the rod

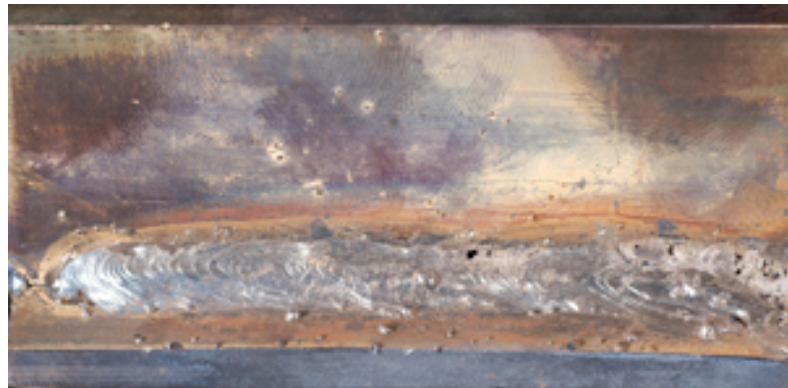
TECHNIQUE	<ul style="list-style-type: none"> • Place the _____ as close to the weld as possible • Avoid electricity going through: <ul style="list-style-type: none"> ○ _____ ○ _____ ○ _____
DON'T WORRY	<ul style="list-style-type: none"> • Electricity will always take the _____ path • _____ is not as easy a path as _____ is • _____ gloves will not conduct electricity (usually) • Electricity will only go through you, if you are the _____ path
TECHNIQUE	<ul style="list-style-type: none"> • Start the arc by either <ul style="list-style-type: none"> ○ _____ the end of the rod on the table ○ _____ like lighting a match • Travel about _____ • NEVER set the rod on _____
VIDEO: STICK WELDING TIPS FROM BUBBA	

PROBLEM 1



PROBLEM: _____

PROBLEM 2



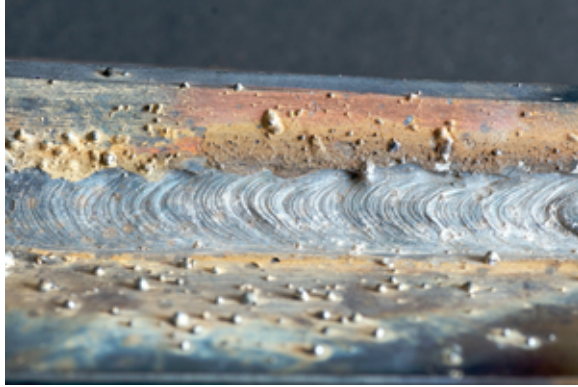
PROBLEM: _____

PROBLEM 3



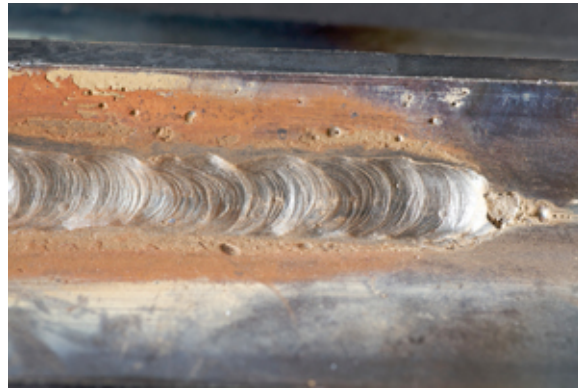
PROBLEM: _____

PROBLEM 4



PROBLEM: _____

PROBLEM 5



PROBLEM: _____

PROBLEM 6



PROBLEM: _____

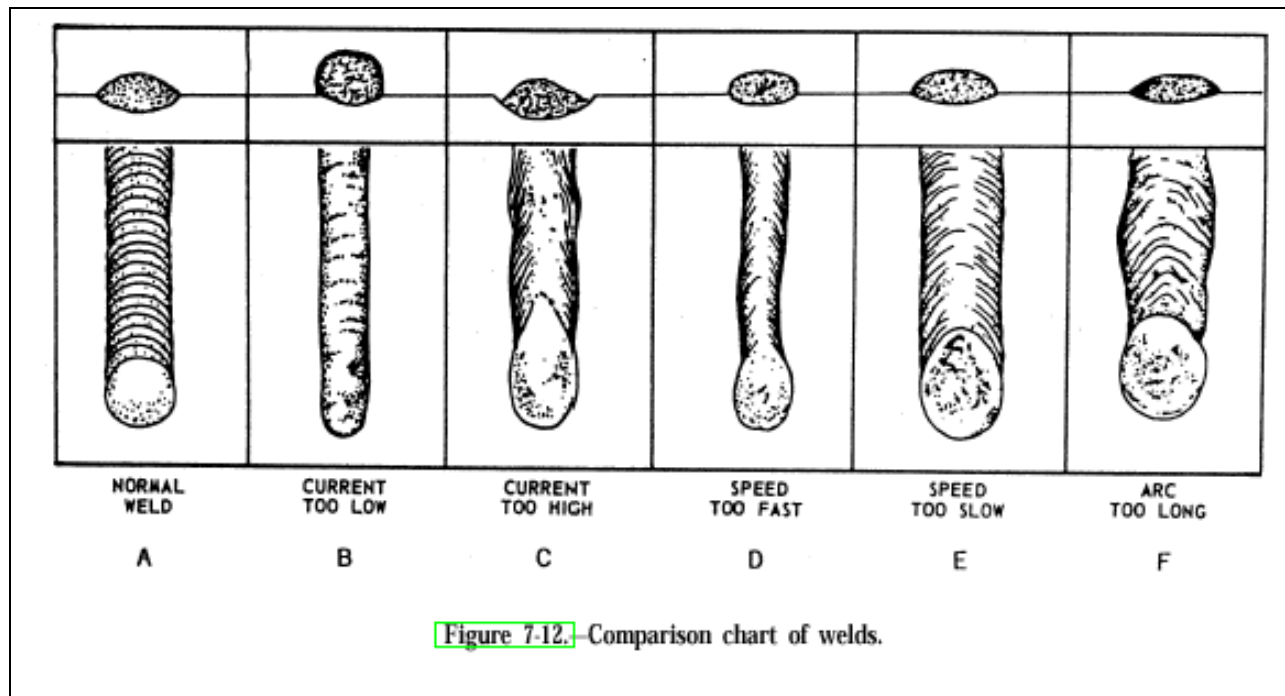
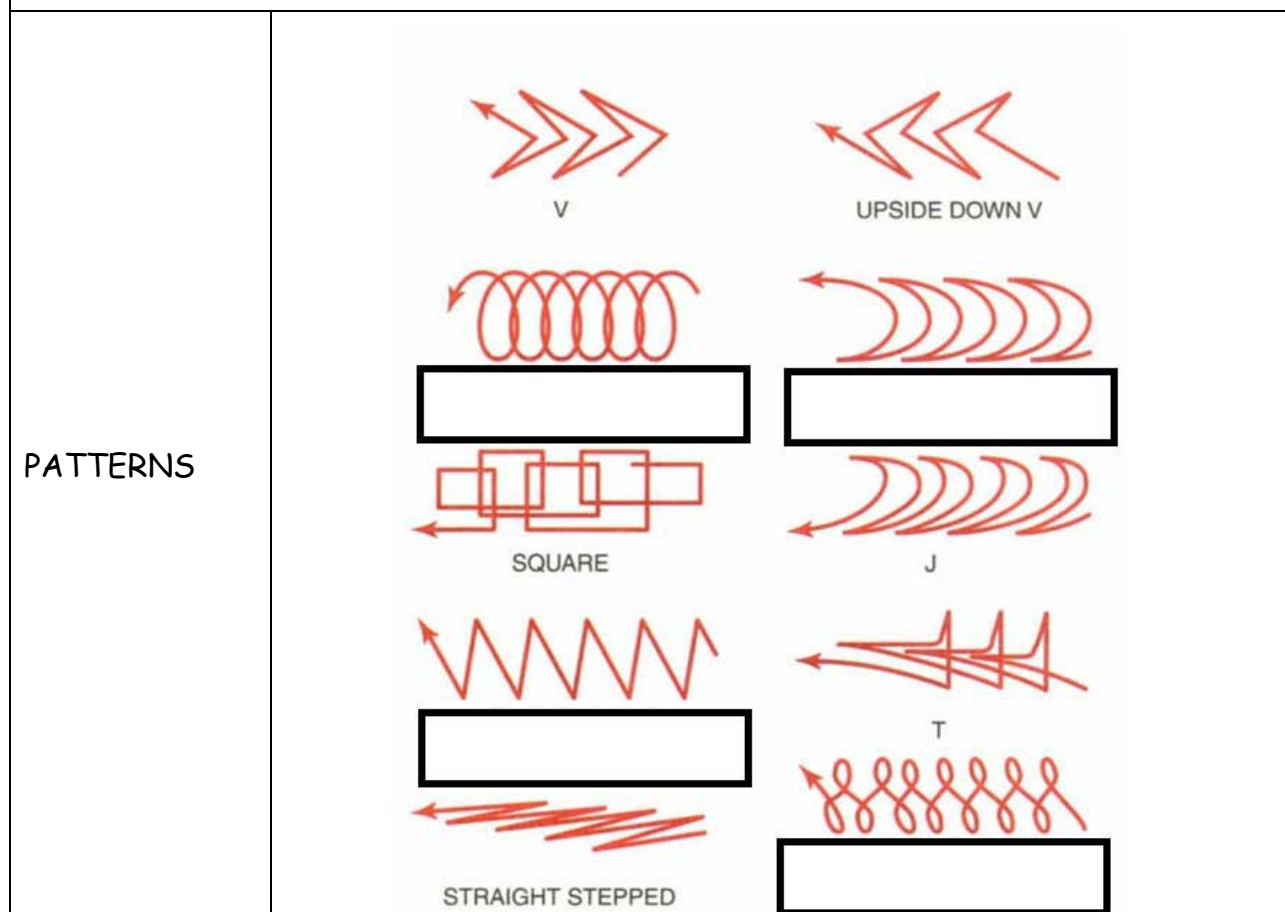




Figure 7-12. Comparison chart of welds.



<p>WELDING TIPS</p>	<ul style="list-style-type: none"> • _____ the metal, you cannot weld dirt • _____ the metal, you cannot weld air 	 
<p>WELDING TIPS</p>	<ul style="list-style-type: none"> • Get _____ • Get _____ • Watch _____ • Watch _____ • _____ 	