



\_\_\_\_\_ : \_\_\_\_\_

\_\_\_\_\_ :

\_\_\_\_\_ -

Nature of Electricity -1

( )

: -

(Conductor)

: -

(Amperes)

(Volt)

: -

(OHMS) (Resistance)

: \_\_\_\_\_ (OHMs Law) -

( )

( )

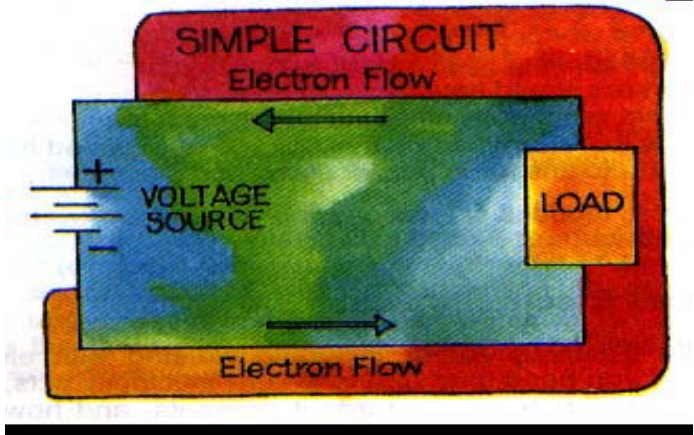
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( )

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	-2
Short Circuit	•
Accidental Grounding	•
High Voltage	•
Low Voltage (430 --- 24)	
( 430 --- 24)	
( 24)	
	-1
Electrical Shock	.1
Burns	.2
Arc – Blast	.3
Fires and Explosions	.4
	-
	•
	•
	•
	•
	•
	•

**Effects of Electric Current On Human Body**

Effects	( ) Current (Milli Ampere)
( )	(TLV) 1
-	8 -1
-	15 - 8
- -	20 - 15
- - -	50 - 20
- -	200 - 50
- - -	200

( ) : -1



Hot Wire ( )

-2



(Hot Wire)  
(

-3

- - )



\_\_\_\_\_

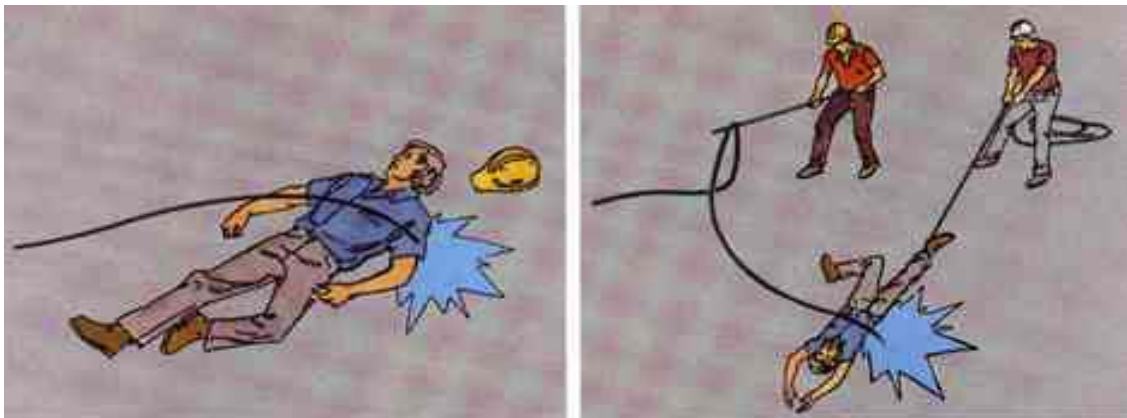
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(Freezing)



4 - 3

Non-conducting material



( 120)

( 1)

( 800)

:

/ 200000000 - 200000

/ 100000 - 2000

1000 / 1

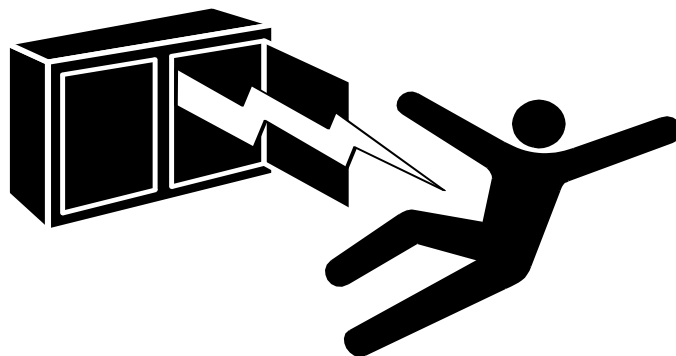
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: Electrical Burns -2



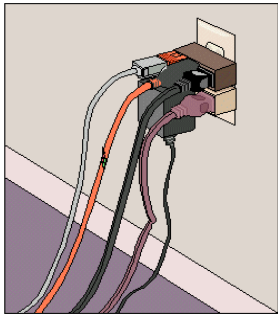
: Arc - Blast : -3



: \_\_\_\_\_ -4

•

•



Electrical Accidents Prevention -

:

(TAG)

-1

-2

Explosion Proof Lamps -3

(Hazardous

Locations)

-4

(Hot Wire)

(Fuse)

(Circuit Breaker)

(Circuit Breaker)

(Fuses)

-5





OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

-6

-7

-8

-9

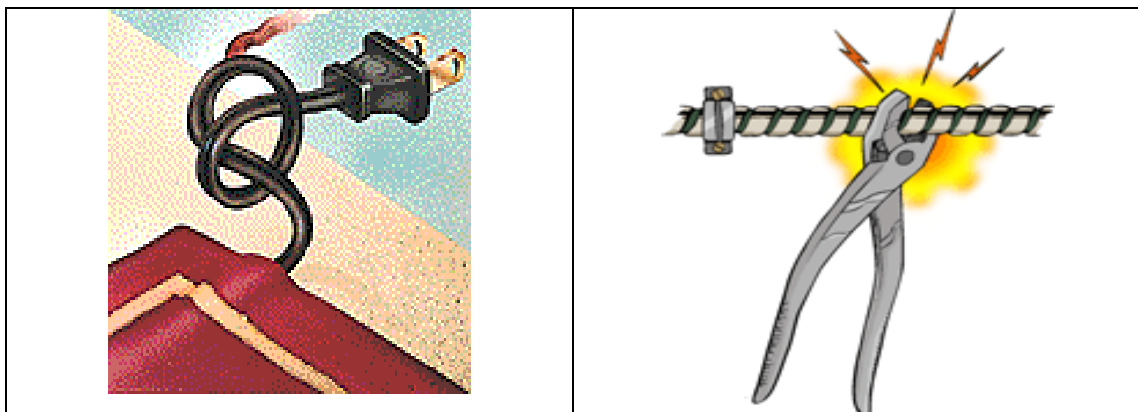
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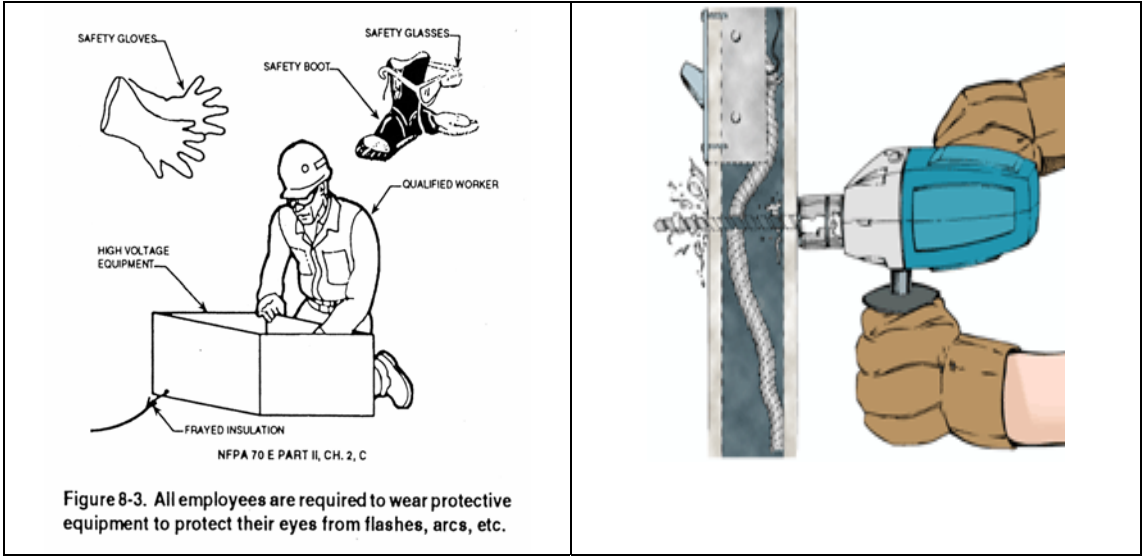
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