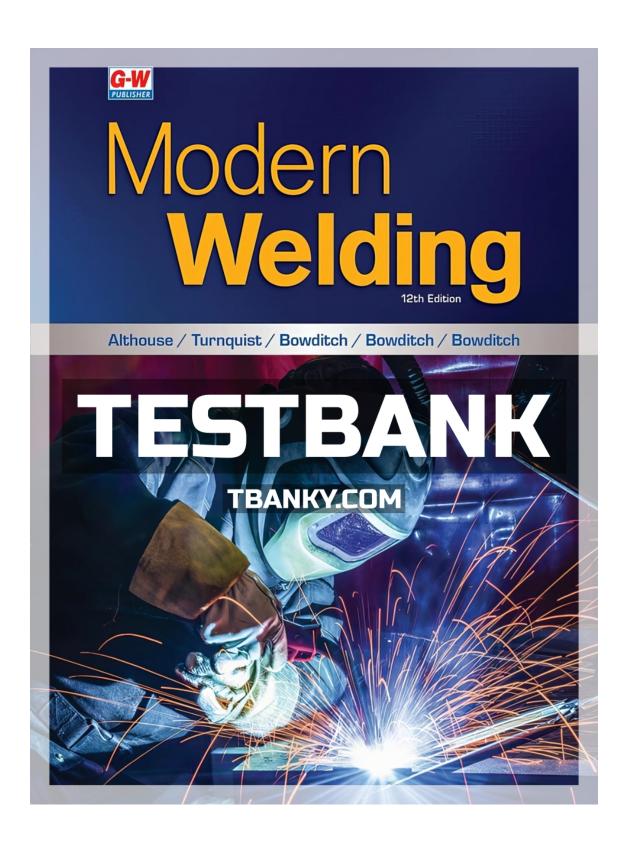
TEST BANK FOR MODERN WELDING 12TH EDITION ALTHOUSE ISBN 9781635636864



Chapter 1 Safety in the Welding Shop

MULTIPLE CHOICE

1.	A. keep your back straight and lift with your leg muscles B. lift over 35 pounds using your arm muscles C. always bend your back while lifting D. None of the above.
	ANS: A PTS: 1
2.	 Which of the following factors does <i>not</i> promote safety in the shop? A. Staying healthy in mind and body. B. Becoming well trained in the required job or task. C. Having a good attitude toward safety and safety rules. D. Thinking about pleasant things to pass the time.
	ANS: D PTS: 1
3.	is a recommended material for protective clothing for welding or cutting. A. Nylon B. Polyester C. Leather D. Asbestos
	ANS: C PTS: 1
4.	must be stored in an approved steel cabinet. A. Gas cylinders B. Cleaning chemicals C. Welding rods D. Leathers
	ANS: B PTS: 1
5.	It is recommended that be worn while resistance welding. A. eye protection B. pants without cuffs C. a cap D. All of the above.
	ANS: D PTS: 1
6.	 Which of the following safety practices is recommended when working around electricity? A. Let only trained technicians do repairs on electrical equipment. B. Always check for loose connections and worn insulation with the power off. C. Assume all electricity is dangerous. D. Voltages of 220 volts or more should be clearly marked as dangerous. E. All of the above.
	ANS: E PTS: 1
7.	should be used to light an oxyfuel gas flame.

	A. A wooden matchB. A book matchC. A spark lighterD. Another torchE. An electric arc	
	ANS: C PTS	5: 1
8.	Which of the following is A. Lightly tinted welding B. Welding helmet with C. Welding helmet with D. Welding helmet with	a #6 filter plate. a #10 filter plate.
	ANS: A PTS	5: 1
9.	All hand tools should be in A. size B. loose parts C. cleanliness D. All of the above.	nspected for
	ANS: B PTS	S: 1
10.	Gas cylinders should beA. stored in an upright po B. always moved with th C. fastened with chains o D. All of the above.	osition e safety cap in place
	ANS: D PTS	S: 1
11.	Which of the following m A. Beryllium B. Lead C. Cadmium D. All of the above.	etals may create toxic or deadly fumes when welded?
	ANS: D PTS	S: 1
12.	Fire extinguishers and fire A. orange B. yellow C. yellow and black D. red E. light blue	blankets should be mounted on a surface that is painted
	ANS: D PTS	5: 1
13.	Which of the following arA. Incandescent.B. Fluorescent.C. Ultraviolet.D. All of the above.	e dangerous light rays developed during oxyfuel gas welding or cutting?
	ANS: C PTS	S: 1

14.	A Class B fire extingA. combustible liquidB. electricalC. solid materialD. combustible meta	
	ANS: A	PTS: 1
15.	Which of the following A. Lack of general was B. Confined area. C. Wetness. D. Electrode type.	ng is <i>not</i> a factor to consider regarding the hazard of fumes and gases? ventilation.
	ANS: C	PTS: 1
16.	Documents that detail	l information about chemicals and substances used in the workplace are called
	A. Safety Data Shee B. Material Data Sh C. Hazard Informati D. Fire Safety Sheet	eets on Sheets
	ANS: A	PTS: 1
TRUI	E/FALSE	
17.	It is possible to receive	we a burn similar to a sunburn while arc welding.
	ANS: T	PTS: 1
18.	Some companies requ	uire their workers to wear a back brace or support when lifting anything.
	ANS: T	PTS: 1
19.	Housekeeping is con-	sidered an important factor in shop safety.
	ANS: T	PTS: 1
20.	A high-pressure shiel on its edge.	ding gas cylinder can be moved by slightly tipping the cylinder and rolling it
	ANS: T	PTS: 1
21.	Well-designed shops	have low ceilings to improve ventilation and airflow.
	ANS: F	PTS: 1
22.	_	etals that may emit toxic fumes, a welder must wear a quality respirator that us chemicals in the air.
	ANS: T	PTS: 1

23.	Heat stroke is characterize	ed by neavy sweating.
	ANS: F PTS	S: 1
24.	The AWS suggests that a the hazards of arc welding	label be placed on all major arc welding equipment in order to point out
	ANS: T PTS	S: 1
25.	Flame-retardant-treated co	otton gloves are recommended for use in welding or cutting.
	ANS: F PTS	S: 1
26.	Whenever the torch is <i>not</i>	in a welder's hand, it should be turned off.
	ANS: T PTS	S: 1
27.	_	ociety suggests that a sticker be attached to the major equipment in an tting station to warn of hazards.
	ANS: T PTS	S: 1
28.	It is recommended that the glasses.	e welding operator of a robot wear leathers, a hat or cap, and safety
	ANS: F PTS	S: 1
29.	Engaging in horseplay in	the shop demonstrates a lack of wisdom or intelligence.
	ANS: T PTS	S: 1
30.	To prevent back injuries with the arm muscles.	when lifting, the back should always be kept straight and the object lifted
	ANS: F PTS	S: 1
31.	A pressure regulator is "C	FF" when the regulator adjusting screw is turned out.
	ANS: T PTS	S: 1
32.	Grinders and wire wheels	are not considered hazardous machines.
	ANS: F PTS	S: 1
33.	High-pressure shielding g	as cylinders should be fastened securely to a wall or column when stored.
	ANS: T PTS	S: 1
34.		is recommended that the area be cleared of combustible materials, and at sted with a fire extinguisher readily accessible.
	ANS: T PTS	S: 1

35.	When the oxyfuel gas station is shut down, the gases should be bled from the cylinder outlet to the torch tip.
	ANS: T PTS: 1
36.	Pants with narrow cuffs are preferred for welding or cutting.
	ANS: F PTS: 1
37.	Corners or stairways that stick out into the shop are always painted bright orange or red for visibility.
	ANS: F PTS: 1
38.	Arc welding safety inspections should be made with the power on.
	ANS: F PTS: 1
39.	Matches can be safely carried in trouser pockets during resistance welding.
	ANS: F PTS: 1
COM	PLETION
40.	The greatest hazard to a welder while laser welding is damage to the welder's
	ANS: eyes
	PTS: 1
41.	Toxic fumes should always be picked up before they reach the welder's
	ANS: face
	PTS: 1
42.	For arc cutting, it is always necessary to clear the area of combustible materials and post a(n)
	ANS: fire watch
	PTS: 1
43.	Ultraviolet and rays are harmful rays emitted during arc welding.
	ANS: infrared
	PTS: 1
44.	Acetylene gas must never be used at a gauge pressure above

	ANS: 15 psig 103 kPa
	PTS: 1
45.	Metal that has been welded and is left somewhere to cool should be marked so nobody is burned by touching it.
	ANS: HOT Hot
	PTS: 1
46.	Special training in the use of explosives is required to do welding.
	ANS: explosion
	PTS: 1
47.	While resistance welding, the welder should stand on a(n) platform if the floor is damp.
	ANS: insulated
	PTS: 1
48.	If the highest pressure marked on the face of a pressure gauge is 400 psig, it is recommended that this gauge should <i>not</i> be used at pressures above psig.
	ANS: 200
	PTS: 1
49.	Pliers or should be used to pick up metal in the welding shop.
	ANS: tongs
	PTS: 1
SHOI	RT ANSWER
50.	List five personal factors that may be responsible for causing accidents.
	ANS: Any five of the following: Stress, illness, fatigue, lack of job knowledge, age, lack of wisdom, poor attitude, drugs.
	PTS: 1

51.	Why are robots dangerous to anyone working within the robot's working volume?
	ANS: The robot may hit them as it moves about rapidly.
	PTS: 1
50	Tiet tour malding and access that any days around land an analytic initial the malday's ha

52. List two welding processes that produce sounds loud enough to injure the welder's hearing.

ANS:

Any two of the following: plasma arc welding, plasma arc cutting, explosion welding, arc gouging.

PTS: 1

53. List ways to prevent injury when lifting heavy objects.

ANS:

Keep back straight, lift with legs, know your weight limit, know the weight of the object, wear a lifting belt or back brace.

PTS: 1

54. What types of information do Safety Data Sheets provide?

ANS:

Safety Data Sheets provide information on all of the chemicals and substances found in the workplace, including their known health effects, symptoms, and first aid treatment.

PTS: 1

55. List three topics that should be covered during job or task training.

ANS:

Answers will vary, but may include safety hazards; proper operation sequence; correct placement of hands and feet; machine safety features.

PTS: 1