

DENTAL RADIATION CERTIFICATION

UNIT 4: Dental Film TOPIC B: Film Processing

1.	The two solutions needed to proce	ss x-rays include		_ and	·	
2.	The developer	_ the invisible () image	on the film into a visible imag	ge. This	
	process is called	·				
3.	The developer changes the expose	d () silver halide	crystals to		
	metallic silver.					
4.	The areas in the mouth that are	dense $\{$	get more radiated o	on the film, and that radiation	I	
	th	e silver halide crystals	. The developer th	en changes the energized silv	⁄er	
	crystals to me	etallic silver.				
5.	That area is then the	are	as on the film.			
6.	The fixer the unexposed (unenergized) silver halide crystals from the emulsion					
	and therefore creates	or	areas on th	ne dental radiograph.		
7.	The flows through the large tank for manual processing. Then the					
	and the, in sepa	rate smaller compart	ments, get put into	the large tank.		
8.	Films are put into the	solut	on first, then move	them to the	_, then	
	move them to the	, then let them dr	y before mounting.			
9.	Which compartment is therefore responsible for monitoring the temperature of the solutions?					
10.	Everything in dentistry sets up	w	rith heat.			
11.	The ideal temperature of the solutions in manual processing is					
12.	When film is exposed to light they turn completely					
13.	The safety light in the dark room needs to be at least feet from the working counter so that the light					
	won't expose the x-ray film.					
14.	Processing chemicals give off	fumes,	therefore a	was a requirement.		
15.	What extra component to the automated processor do you need if you don't have a darkroom and need to					
	develop x-rays?					
16.	How often should processing solutions be changed? or					
17.	Water should be changed					
18.	How often should the solutions be	replenished?				
19.	When films are underdeveloped th	ey will appear	and whe	n they are overdeveloped the	y will	
	appear					
20.	Developing time can change the	of th	e film just as mAs o	do.		

21.	is when the film gets excess heat and the	move in the			
	emulsion prior to or during processing.				
22.	Developer spots will cause spots and fixer spots will cause _	spots.			
23.	Half-moon shaped marks on x-ray films are probably caused from				
24.	Developer cut-off will cause part of the film to be	Fixer cut-off will cause part of the			
	film to be				
25	Static electricity marks on x-rays is from the film packet being opened too				

NEXT UP: Unit 4 Topic C: Film Mounting