Name:	Seat #:	_ 30 points total
questions carefully. All ans	wers should be short, legible and conses containing the correct ans	tions (30 points). Read the directions and spell-checked. Answers that cannot be read wer surrounded by numerous non-correct
large pin amalgam buildup re concerned about the pin local	placing the ML and DL cusps done : ion. The tooth is not symptomatic an ntal perforation. Why should Dr. Igg	reviewing the chart he notes that tooth # 30 had a years ago. He did not place the buildup and is d radiographs show a healthy apex with no y be concerned about the pin placement if he is
		ns lacking sufficient build-up material on the lusal preparation resulting in compromised
Dr. Iggy begins with occlusal inclines of the lingual cusps.	reduction. Dr. Iggy cannot accurate What technique can Dr. Iggy do to de	y determine if he has adequately reduced the inne etermine if he has adequate occlusal reduction?
thickness of the wax looking the occlusal but using the pro	for thin areas. Can use this techniq	x up to the light and observe the remaining ue with the provisional looking for thin areas on a preop overimpression which has been cut in fuction. (Shillingburg Chapter 10)
		our answer. (3) cylinder/shoulder preferred ossa. Round end tapered is also acceptable.
	al reduction and begins to place the ctional second plane? (4) 1.5 mm	functional bevel (second plane) What is the
(5) Widened occlusal ta	ble resulting in occlusion problems. I lusal adjustment to attain proper thic	I) will have what effect on the final casting? Also errors in casting thickness: too thick will kness will result in a thin casting and
remembers a diagram from a	eduction and is worried that he may textbook in dental school showing ho own. (See diagram to the right)	
center of rotation. If a line dr	closest to the line of action is called the awn from the center of rotation perpential of the prep, the point where this ent point.	endicular to the
At P ₁ (tangent point) the arc of the cement film is subject only	f rotation is tangent to the surface of y to (6) shear forces.	the preparation and
Apical to P ₁ (area of P ₃), the c	ement film is subject to rces	A
Occlusal to p ₁ . (area of P ₂), the (8) compression for	e cement film is subject to _ rces	

Of the three areas shown (P1, P2, P3), which area provides the most resistance to unseating a casting by oblique forces (prevents tipping of a restoration around the axis)? (9) P2

Dr. Iggy finishes the preparation and begins the provisional fabrication. He chooses to do a block carving and after the initial squash and removal of excess acrylic he prepares for the reline. Dr. Iggy removes acrylic from the inside of the provisional (reams it out) to make room for the reline acrylic. When does Dr. Iggy know he has removed enough acrylic from the inside of the provisional and is ready for the reline?

(10) The occlusion is the same with the provisional in as it is with it out / adjacent teeth are in contact when the provisional is seated. Many answers talked about the "provisional seating completely". I did not accept this as a full answer if it did not include some mention of the occlusion.

Before he does the reline Dr. Iggy notices he no longer has mesial and distal contact. Describe <u>two</u> methods Dr. Iggy can use to re-establish the contact points.

(11) He can create vent holes in the provisional in the contact areas before the reline and allow the reline acrylic to re-establish contact. He can use the paint-on technique

Dr. Iggy completes the provisional and makes an acceptable impression which he sends to the lab for crown fabrication. He cements the provisional and dismisses the patient. Two days later the patient calls the office complaining of sensitivity on tooth #30. The patient says the pain occurs during chewing and when she eats "sweets". Dr. Iggy knows the tooth was asymptomatic before the crown preparation (no pulpitis) and his crown prep was textbook perfect regarding amounts of reduction. Give two possible reasons to explain the patient's sensitivity.

(12) hyper occlusion open margins

At the crown seating appointment Dr. Iggy notices the crown is not seating completely. The crown margins are uniformly open and the occlusion is high. He panics and forgets the sequence of operations he should follow when seating a crown. Describe the correct sequence of operations and what criteria you would be looking for when initially seating a gold crown. I'll walk you through it and you describe what you should be doing and what you are looking for.

The first thing Dr. Iggy should do is examine what surface of the crown? (13) entire internal surface

What is he looking for and how would he correct the problem if he finds one?

(14) bubbles. Use a small round bur on a high speed to remove the bubbles. He can also use occlude to identify areas on the internal surface of the crown that may be binding and preventing seating. Many students gave me a description of what to do when finishing and polishing a casting in the lab. The question is asking what to do chair side when the crown does not seat. Many students gave the wrong order of operations (contacts before internal surface is wrong).

Problems found in the step described above have been corrected and the crown seats further but it is still not fully seating. What surface/area of the crown should Dr. Iggy examine next? What is the best way to correct the problem found above? Be specific.

(15) heavy contact points/areas prevent complete seating of the crown. Spray occlude on the contacts and seat into the patient's mouth to identify the heavy area of proximal contact. Adjust using carbide or abrasive stones.

Many answers stated that Dr. Iggy "would carefully adjust the contacts" but did not give specifics. I was looking for a reference to occlude or some other indicating medium on the contact area to aid in determining where the contacts are heavy. Failure to use some type of indicating medium would require the dentist to "guess" at where the contact was heavy.